

No. WS32

# Water in Abundance

For

Homes, Farms,  
Country Estates,  
Public & Private  
Institutions  
Golf Courses *etc.*



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Alan O'Bright



# MYERS WATER SYSTEMS



FOR HOMES, FARMS,  
COUNTRY ESTATES,  
PUBLIC AND PRIVATE  
INSTITUTIONS  
GOLF COURSES, ETC.

**THE F.E. MYERS & BRO. CO.**  
**ASHLAND, OHIO.**

Manufacturers for over Fifty Years of MYERS' HONOR-BILT PUMPS for Every Purpose  
WATER SYSTEMS-HAY and GRAIN UNLOADING TOOLS - BARN, FACTORY and  
GARAGE DOOR HANGERS-STORE LADDERS, Etc.



# Running Water.

The Source of Many Conveniences for Your Home or Farm.

**W**HAT a change—what a difference! Instead of working for every drop of water, to make water work for you. Instead of adding burdens to the labor of the day, to have it lighten countless tasks, bring countless comforts.

MYERS Water Systems have brought *modern convenience* and *modern living conditions* to thousands of suburban and country homes. They have brought added profits to thousands of farms. They have facilitated thousands of commercial enterprises where *a reliable system of running water* was an absolute necessity.

Water for the garden and lawn. Water in barns, outbuildings and feed lots—for watering stock, cooking feed, washing milk cans, cleaning equipment. Fire protection! Water to prevent destruction and water for every other purpose to promote production. Water in plenty to lighten tasks, increase profits and lend a new attraction to suburban and farm life.

You are living *today!* Keep in step with today. Modernize with a Myers Water System. Make your farm a better “factory”—make your house a home!





Whether you are going to build, buy or remodel your house or summer cottage, have it according to modern standards of living—running water at the turn of a faucet brings innumerable comforts and conveniences for every member of the household—have it through a Myers “Honor Bilt” Water System.

Myers Water Systems have many places of service other than in homes. There are styles for summer resorts, hotels, hospitals and sanitariums—for creameries and dairies—for centralized schools and colleges—for country estates and golf courses—for filling or service stations—for mills, mines and factories. For household, for farm, for industry, for pleasure, Myers Water Systems are serving in far places just as they are near at hand.

Abundant water is a modern necessity everywhere. Myers Engineering Department is prepared to co-operate with you on your specific water problem and the worldwide Myers sales organization is ready to supply you with the proper Myers Water System.

Don't let another season go by without the convenience of fresh running water. You will be surprised how economically a Myers Self-Oiling Water System can be installed that will meet all your requirements.

With the unlimited choice the Myers line offers and the responsibility behind it to guarantee lasting satisfaction, insist on your dealer, plumber, contractor or builder, supplying you with the MYERS.

Write today for particulars while this is fresh in your mind, or see our nearest dealer whose name we will be glad to give you on request.





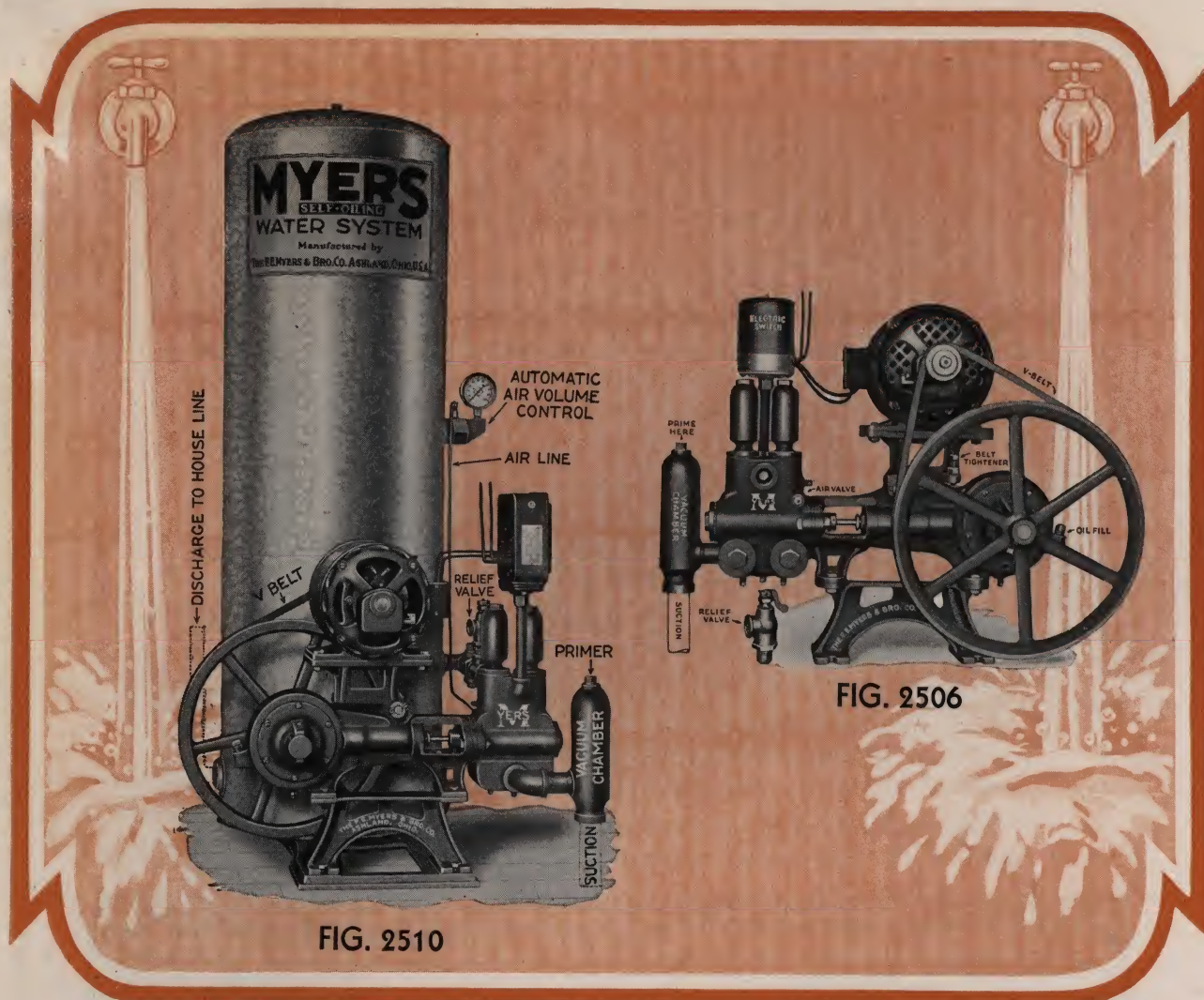


FIG. 2510

FIG. 2506

## The Myers Self-Oiling Home Water System.

PATENTED.

A COMPLETE SELF-OILING AUTOMATIC UNIT.

For Use in Cisterns or Shallow Wells Up to 22 Feet in Depth.

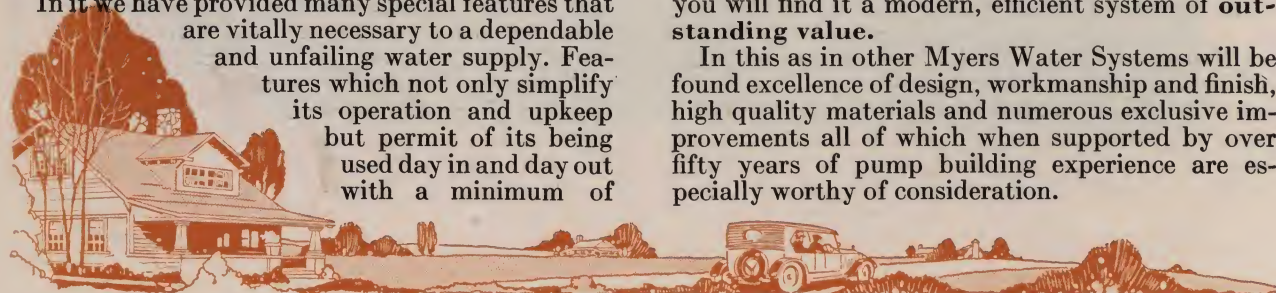
Where not over from 250 to 340 gallons of water per hour are needed for sanitary, household and other requirements, this is the ideal system. Easily and quickly installed, with a minimum of cost to operate, the service it successfully performs is within the reach of most any home where city water is not available or where a constant supply of soft water is required.

In it we have provided many special features that are vitally necessary to a dependable and unfailing water supply. Features which not only simplify its operation and upkeep but permit of its being used day in and day out with a minimum of

wear and breakage and without undue attention, and with the assurance that when water is needed that it will always function. Self-starting and self-stopping, it conserves power and reduces expense. Self-oiling, it remains in wonderful condition year after year.

Whatever your power, this Myers Water System will meet your needs economically. Central station electrical service, or farm lighting plant,—you will find it a modern, efficient system of **out-standing value**.

In this as in other Myers Water Systems will be found excellence of design, workmanship and finish, high quality materials and numerous exclusive improvements all of which when supported by over fifty years of pump building experience are especially worthy of consideration.





# The Myers Self-Oiling Home Water Systems.

**T**HIS Myers Self-Oiling Electric Water System is a complete unit ready to be connected with water and power lines. It is self-oiling, self-starting and self-stopping, can be installed in basement or other convenient place, will operate week in and week out with a minimum of care and attention, and will furnish dependable

and economical water facilities for homes, farms and country estates, summer cottages, and other places where not over from 250 to 340 gallons of water per hour are needed. For sprinkling and fire protection the 340 gallon pump will supply a  $\frac{3}{4}$ " Gem nozzle wide open at 35 pounds pressure. Floor space 25" x 30" x 51" high.

## Equipment

**Tank:** Galvanized Electrically Welded. Size 16 x 48 inches. Holds 42 gallons. Mounted on iron bed plate which carries both tank and pump.

efficiency, brush lifting type.

**Switch:** Electric Control, 20-40 lb. pressure. High quality, reliable service.

**Motor:** Repulsion and induction high

Belt: Best quality, endless, V-Style.

## Operation

The Myers Self-Oiling Home Water System is automatic. It is designed for operation by city current or farm light and power plants and is controlled by an electric switch which automatically starts the pump when the pressure in the tank falls to 20 pounds and stops the pump when the pressure reaches 40 pounds. The pressure is always maintained between these two points.

The air supply in the tank is controlled by the **Automatic Air Volume Control**—an outstanding improvement—it provides **Complete Automatic Air Control** eliminating air bound or water logged tanks—no personal attention necessary.

**SELF-OILING.** All working parts are automatically lubricated by oil splash from the crank case.

### FIG. 2510

Capacity, 250 Gallons Per Hour

**No. 906AT,** Complete, with Vacuum Chamber, Relief Valve, Air Valve, Pressure Control Switch, Endless V-Belt and 1-6 H. P., A. C. or D. C. Motor, with 42 gallon Galvanized Tank, Base, Automatic Air Volume Control, Pressure Gauge and Connecting Fittings. Suction and Discharge  $\frac{3}{4}$  inch. Price.....\$100.00

Capacity, 340 Gallons Per Hour

**No. 909AT,** As above,  $\frac{1}{4}$  H. P., A. C. or D. C. Motor, Suction 1 inch, Discharge  $\frac{3}{4}$  inch. Price.....\$105.00

## Myers Self-Oiling Electric Pumps.

### FIG. 2506

#### PRESSURE TANKS

#### OPEN TANKS

Pump No.	Price	Capacity Gals. per Hour	Motor		Suction	Discharge	Pump No.	Price
			H. P.	Current				
*906A	\$72.00	250	$\frac{1}{6}$	A.C.orD.C.	$\frac{3}{4}$	$\frac{3}{4}$	†906	\$64.00
*909A	77.00	340	$\frac{1}{4}$	A.C.orD.C.	1	$\frac{3}{4}$	†909	69.00

\*The above Water Systems are complete with Motor, Vacuum Chamber, Relief Valve, Air Valve, Pressure Control Switch and V-Type Belt. †Same as for pressure tanks except pressure control switch and air valve which are not included.

If Frequency and Voltage are other than specified above on motors, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

Foot Valve, with Brass Gauze Strainer. Price..... \$1.30

Extra V-Belt for any above pumps. Price..... 1.00





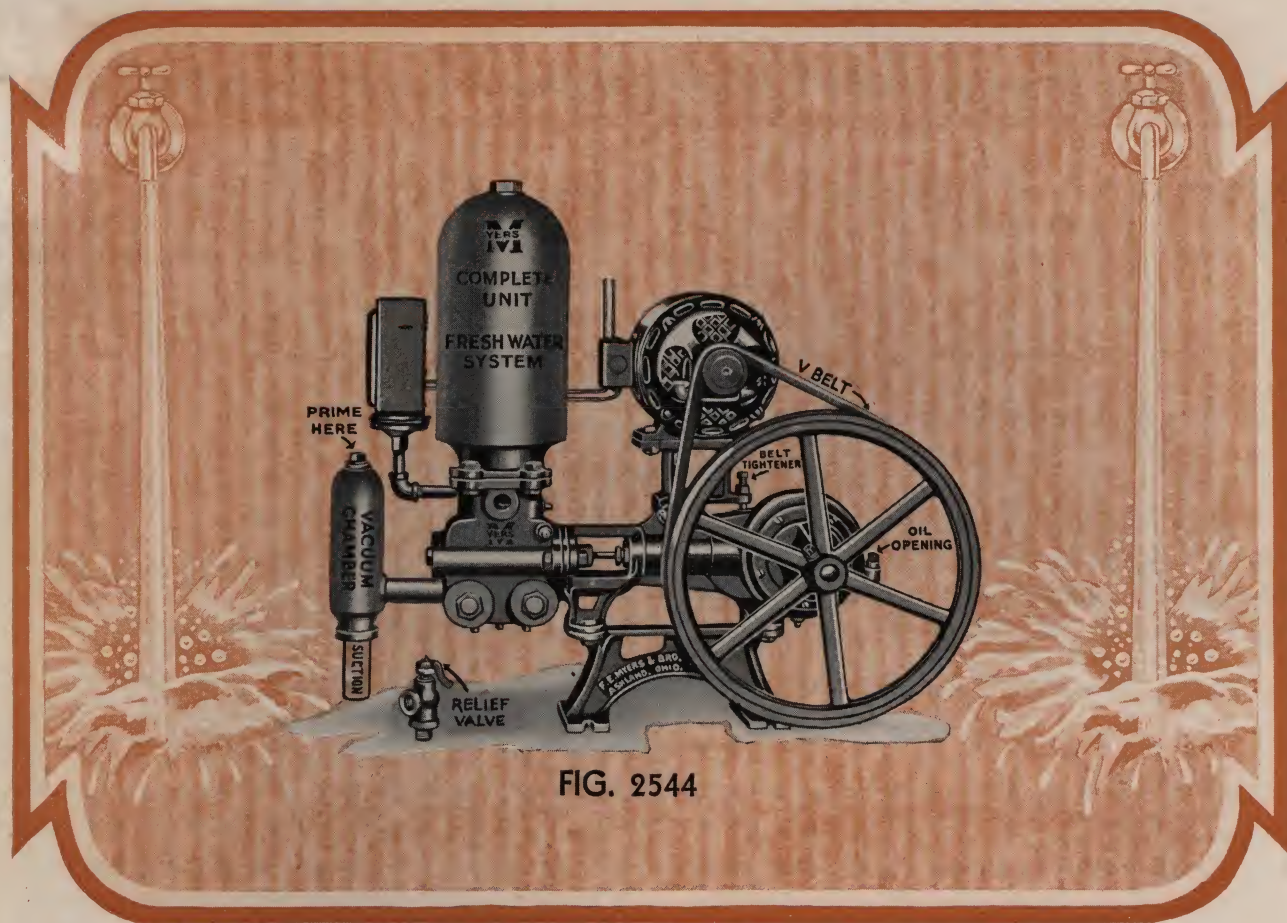


FIG. 2544

## Myers Junior Self-Oiling Direct Water System.

PATENTED.

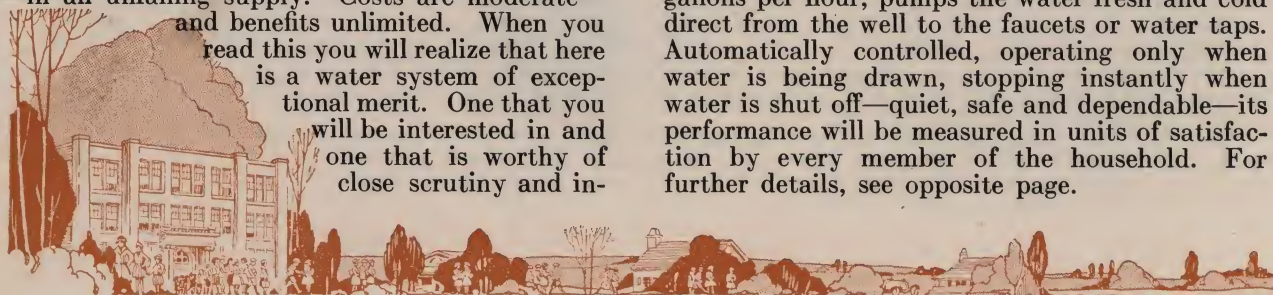
A COMPLETE SELF-OILING AUTOMATIC UNIT.

For Shallow Wells or Cisterns.

**Water is life itself!** An unfailing supply of running water—clear, cool, sparkling-fresh—means more to the farm home than any other single convenience. Water for drinking, for cooking, for dishwashing, for the laundry—water for the lawn and garden—for horses, cattle, poultry, all farm stock—for fire protection—for auto washing—**some water need is urgent every hour of the day.**

This new, modern Myers Junior Self-Oiling Direct Water System makes it easy for you to have fresh, running water—wherever you want it—in an unfailing supply. Costs are moderate—and benefits unlimited. When you read this you will realize that here is a water system of exceptional merit. One that you will be interested in and one that is worthy of close scrutiny and in-

vestigation if you are contemplating the erection of a new home or summer cottage, or are thinking of remodeling your present residence and surrounding grounds. In design, construction and method of operation, it is distinctly a Myers production, complete in every respect and ready to be attached to suction and discharge pipes and connected up with power line. Like the other Myers Direct Water Systems described elsewhere in this catalog, this Junior System, for shallow well service, with a capacity of three hundred and forty gallons per hour, pumps the water fresh and cold direct from the well to the faucets or water taps. Automatically controlled, operating only when water is being drawn, stopping instantly when water is shut off—quiet, safe and dependable—its performance will be measured in units of satisfaction by every member of the household. For further details, see opposite page.





## Myers Junior Self-Oiling Direct Water System.

**N**OWHERE else will be found a water system that will compare, feature for feature, with the Myers Junior. Just a turn of the faucet and pure fresh water gushes forth—just the closing of a faucet and pump stops instantly. Designed for operation from any kind of current, either city or cross-country service lines, or farm power and lighting plants, with an hourly capacity of three hundred and forty gallons and with all of the annoying features of old types of pumps overcome, it is indeed a remarkably efficient pump.

The Myers Junior Self-Oiling Direct Water Systems for Shallow Wells or Cisterns only—up to twenty-two feet in depth—are complete, ready for installation. They are composed of the No. 909A or No. 906A Myers Self-Oiling Electric House Pump,  $\frac{1}{4}$  or  $\frac{1}{6}$  horse power motor, air chamber, pressure gauge and electric switch mounted as pictured in the illustration. The air chamber on the line pipe is of ample size

to properly cushion the stream without a surplus of water as with storage tanks. It is never necessary to draw over one half gallon of water before the pump starts after which the fresh water comes direct from the source of supply while the small water reserve in air chamber is sufficient to care for ordinary faucet or defective plumbing leakage without starting the pump to operate.

This outfit has sufficient capacity to pump against ordinary residence faucets and will supply a Gem Nozzle wide open at 35 pounds pressure. It is strong and compact, occupies small space, (13" x 28" x 26" high) can be installed in basement or other convenient place where it is not liable to freeze, will require but little or no attention whatever, and will deliver unfailing service. Unlike systems with storage tanks which require from forty to fifty pounds of pressure, it operates under a pressure of from ten to thirty pounds only which accomplishes a marked saving in electric power.

FIG. 2544

340 Gallons Per Hour Will Supply a Gem Nozzle Wide Open at 35 lbs. Pressure

**No. 925AM,** Myers Junior Self-Oiling Direct Water System with No. 909A Pump, complete as shown in Fig. 2544, including  $\frac{1}{4}$  H. P. 110-220 Volt, 60 cycle, single phase A. C. or with 32, 110 or 220 volt D. C. Motor, V-Belt, Electric Switch, Air Chamber and Relief Valve. Price.....\$77.00

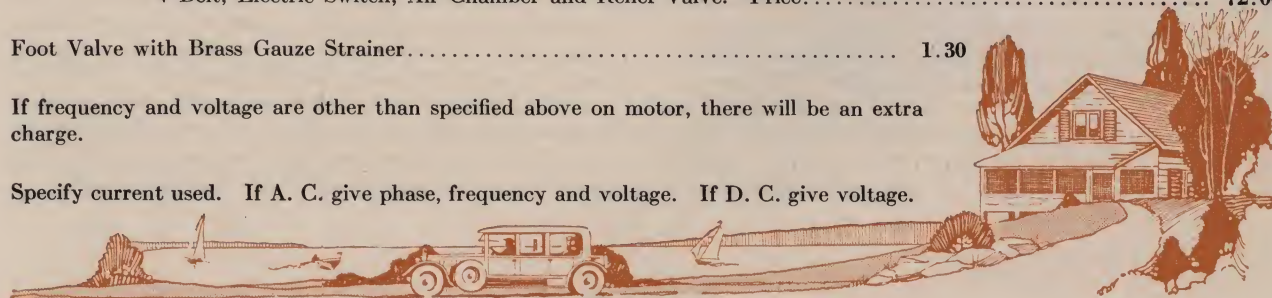
250 Gallons Per Hour Will Supply One Faucet Only

**No. 926AM,** Myers Junior Self-Oiling Direct Water System with No. 906A Pump, complete as shown in Fig. 2544, including 1-6 H. P. 110-220 volt, 60 cycle, single phase A. C. or with 32, 110 or 220 volt D. C. Motor, V-Belt, Electric Switch, Air Chamber and Relief Valve. Price..... 72.00

Foot Valve with Brass Gauze Strainer..... 1.30

If frequency and voltage are other than specified above on motor, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.





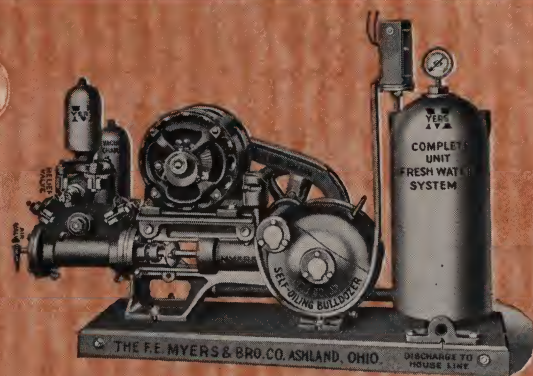
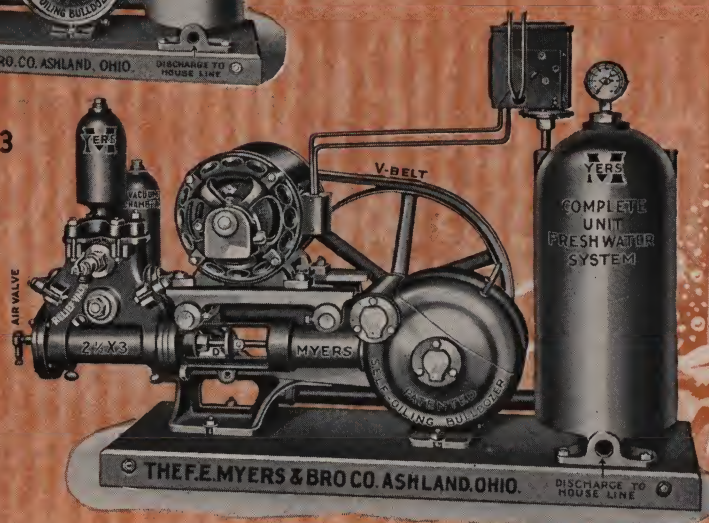


FIG. 2353

FIG. 2632



## Myers Direct Shallow Well Water Systems.

A COMPLETE SELF-OILING AUTOMATIC UNIT.

Motor Driven. Automatically Controlled. No Storage Tank. Pumps Water Direct to Faucets.  
For Shallow Wells Up to 25 Feet in Depth. Capacity 500 Gallons per Hour.

There are two types of water systems for homes, farms and country estates. The one with the tank is either a gravity or pressure system—the other without a tank—pumps the water direct from the well or cistern to the faucets or taps—is termed the direct system.

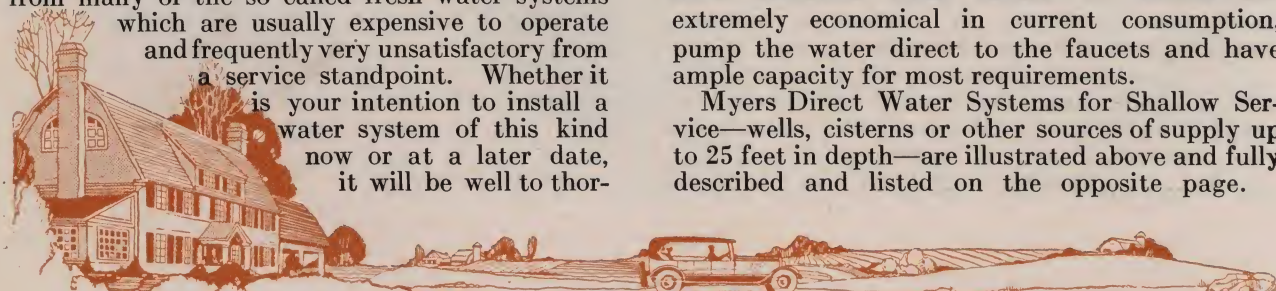
In Myers Direct Systems for shallow and deep well service are to be found many excellent qualities which place them in an entirely different class from many of the so called fresh water systems which are usually expensive to operate and frequently very unsatisfactory from a service standpoint. Whether it

is your intention to install a water system of this kind now or at a later date, it will be well to thor-

oughly investigate Myers Direct Water Systems before you come to a final decision.

Myers Direct Water Systems are complete units ready to connect up with the suction and discharge lines, and to the power line which is to furnish the current for operation. They are neat of design, nicely finished and occupy small space—are self-oiling, self-starting, self-stopping and require but little attention from month to month—are extremely economical in current consumption, pump the water direct to the faucets and have ample capacity for most requirements.

Myers Direct Water Systems for Shallow Service—wells, cisterns or other sources of supply up to 25 feet in depth—are illustrated above and fully described and listed on the opposite page.





# Myers Direct Shallow Well Water Systems.

It will be noted by the illustrations, Figs. 2353 and 2632, that the Myers Direct Water System is a compact and powerful unit. One that will not only stand up under severe service but one that will cost but comparatively little to maintain and operate. This Outfit is composed of the Myers, No. 912AM, Self-Oiling Bulldozer Power Pump with a  $2\frac{1}{2}$ " x 3" Cylinder mounted complete with  $\frac{1}{2}$  H. P. Motor, Pressure Gauge and Electric Switch ready to connect up with the suction and discharge pipes and the power line.

The air chamber on the line pipe is of sufficient size to properly cushion the stream without allowing any surplus of water as is the case with storage tanks. It is never necessary to draw over a gallon of water until the pump starts after which it pumps fresh water direct from the source of supply to the faucets. Ordinary leakage of a defective faucet or imperfect plumbing does not start the pump. There is a gallon of water in reserve to take care of this. Has sufficient capacity to supply a Gem Nozzle for sprinkling or for fire protection.

## Operation

The Myers Direct Water System is of sufficient capacity to pump directly against the faucets supplying an ordinary residence and surrounding grounds. The opening of a tap or faucet starts the pump. Closing it automatically stops the pump. The expense of operating is no greater than is required for a pump of one-half the capacity when connected with a large storage tank where it is necessary to maintain a pressure of from 40 to 50 pounds while the Myers Direct Water Systems operate successfully under a pressure of from 10 to 30 pounds only.

This Outfit occupies a space of 15" x 45" and is 25" high. It can be installed in the basement or at any other desirable place where it will not be exposed to freezing temperatures. It is well to remember that this being a Shallow Well Outfit it will not operate successfully for deep well service. Where the suction depth is over twenty-five feet we recommend either the Myers Direct Water Systems for Deep Service or any of the other Myers Deep Well Systems, described on the following pages.

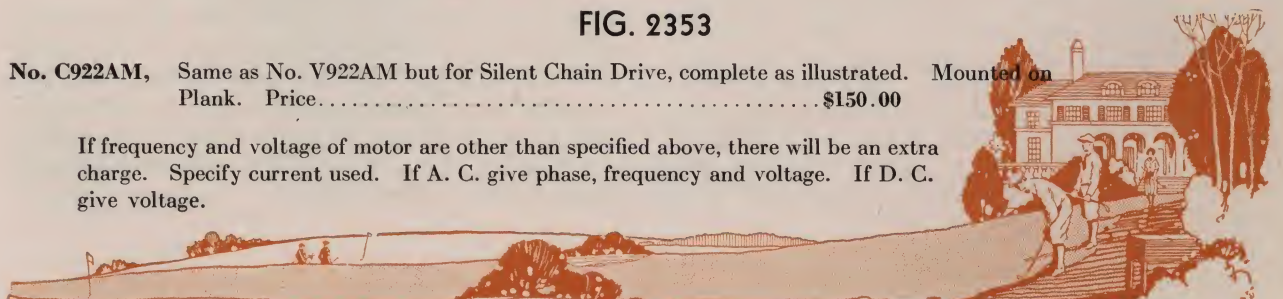
FIG. 2632

**No. V922AM,** Myers Direct Water System, V-Belt Drive complete as illustrated, including  $2\frac{1}{2}$ " x 3" Self-Oiling Pump,  $\frac{1}{2}$  H. P. 110-220 volt, 60 cycle, single phase, A. C. Motor, V-Belt, Pressure Gauge, Electric Switch and Air Chamber for Discharge, Mounted on Plank.  
 Price.....\$136.00  
 Extra Belt for Above Pumps. Price, (Each Section)..... 2.00

FIG. 2353

**No. C922AM,** Same as No. V922AM but for Silent Chain Drive, complete as illustrated. Mounted on Plank. Price.....\$150.00

If frequency and voltage of motor are other than specified above, there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.





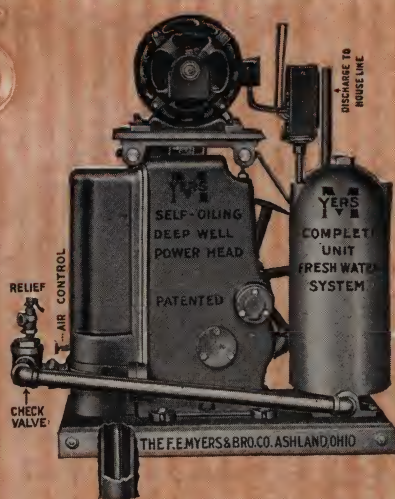


FIG. 2709

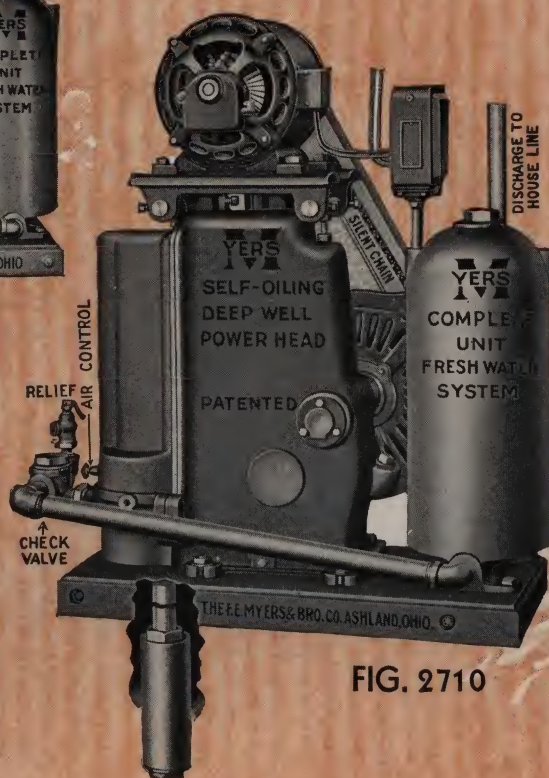


FIG. 2710

## Myers Direct Deep Well Water Systems.

For Wells 25 Feet or Over in Depth.

SELF-OILING. SILENT CHAIN OR V-BELT DRIVE.

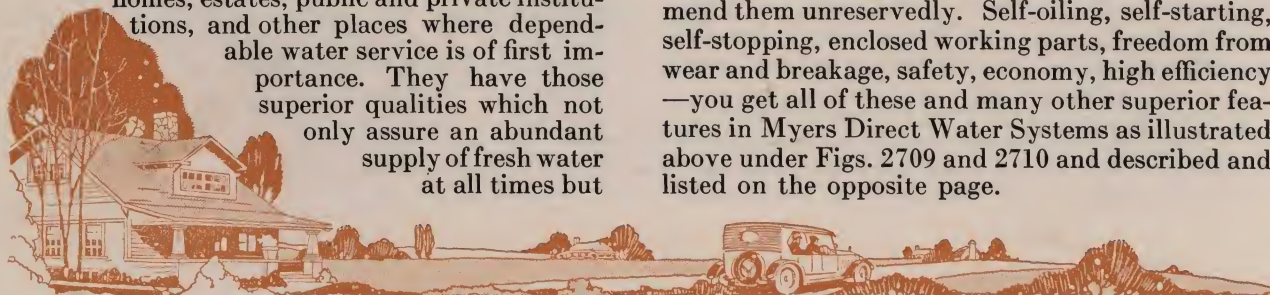
6 Inch Stroke. 1 H. P. Motor Maximum.

Motor Driven. No Storage Tank. Pumps Direct to Faucets.

The owner of a home, farm or country estate, who is a discriminating buyer, knows that the best is not only the most satisfactory but the cheapest in the long run. Myers Direct Water Systems with their many superior qualities are designed for modern homes, estates, public and private institutions, and other places where dependable water service is of first importance. They have those superior qualities which not only assure an abundant supply of fresh water at all times but

conserve power and reduce operation costs as well.

For deep wells where the suction depth is over twenty-four feet, and where the amount of water to be used hourly comes within the capacity range of Myers Direct Deep Well Water Systems, we recommend them unreservedly. Self-oiling, self-starting, self-stopping, enclosed working parts, freedom from wear and breakage, safety, economy, high efficiency—you get all of these and many other superior features in Myers Direct Water Systems as illustrated above under Figs. 2709 and 2710 and described and listed on the opposite page.





# Myers Direct Deep Well Water Systems.

**F**RESH water direct from well or other source of supply. Do you prefer it to tank stored water which sometimes becomes stale and tasteless through remaining in the tank too long? You can have plenty of pure, cold water, have it every day, whenever and wherever wanted, by installing a Myers Deep Well Direct Water System which pumps the water direct to the faucets operating when water is being drawn, stopping almost instantly when it is shut off.

This system is composed of a Myers Self-Oiling Deep Well Power Pump or Working Head mounted on plank base, complete with  $\frac{1}{2}$  horse power motor, V-belt or chain, pressure gauge and electric switch, with an air chamber of sufficient size to cushion the stream pumping against the house line.

It is a complete unit with the exception of the lower cylinder and suction pipe and is recommended for inside or protected installation. Its dimensions are—length, 37 inches—width, 15 inches—height, 35 inches.

es. Piston rod coupling is  $\frac{1}{2}$  x  $\frac{3}{8}$  inch rod while the suction is tapped  $2\frac{1}{2}$  inches and bushed to  $1\frac{1}{4}$  inches. Discharge is 1 inch.

Myers Deep Well Direct Water Systems as illustrated, are furnished for inside or protected installations. Where exposed or outside installations are necessary, we equip them with a Four Foot Anti-Freezing Set Length. This extra equipment as well as the cylinders for which these Systems are best suited is listed below.

**H. P. Required to Operate Different Sized Cylinders in Different Depth Wells**

Diam. Cyl. in.	Gals. per min.	44 R.P.M.	Max. H. P. Motor Required			
			$\frac{1}{3}$	$\frac{1}{2}$	$\frac{3}{4}$	1
$1\frac{1}{8}$	2.5	Max. Depth Wells 40 lbs. Pressure	35	135	245	
$2\frac{1}{4}$	4.25			50	110	190
$2\frac{1}{2}$	5.50				60	100
3	7.25				40	75

A  $2\frac{1}{4}$ " Cylinder has sufficient capacity to supply a Gem Nozzle at 30 pounds pressure.

**FIG. 2710, SILENT CHAIN DRIVE.**

- No. C2955AM,** Complete as shown in Fig. 2710 (except Cylinder) including  $\frac{1}{2}$  H.P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, Pressure Gauge, Electric Switch, Air Chamber and Relief Valve, all mounted on Plank Base. Price.....\$160.00
- No. C2955AMS,** Same as No. C2955AM, except it is fitted with a 4 foot Anti-Freezing Set Length. Plank Base not included. Price..... 164.00

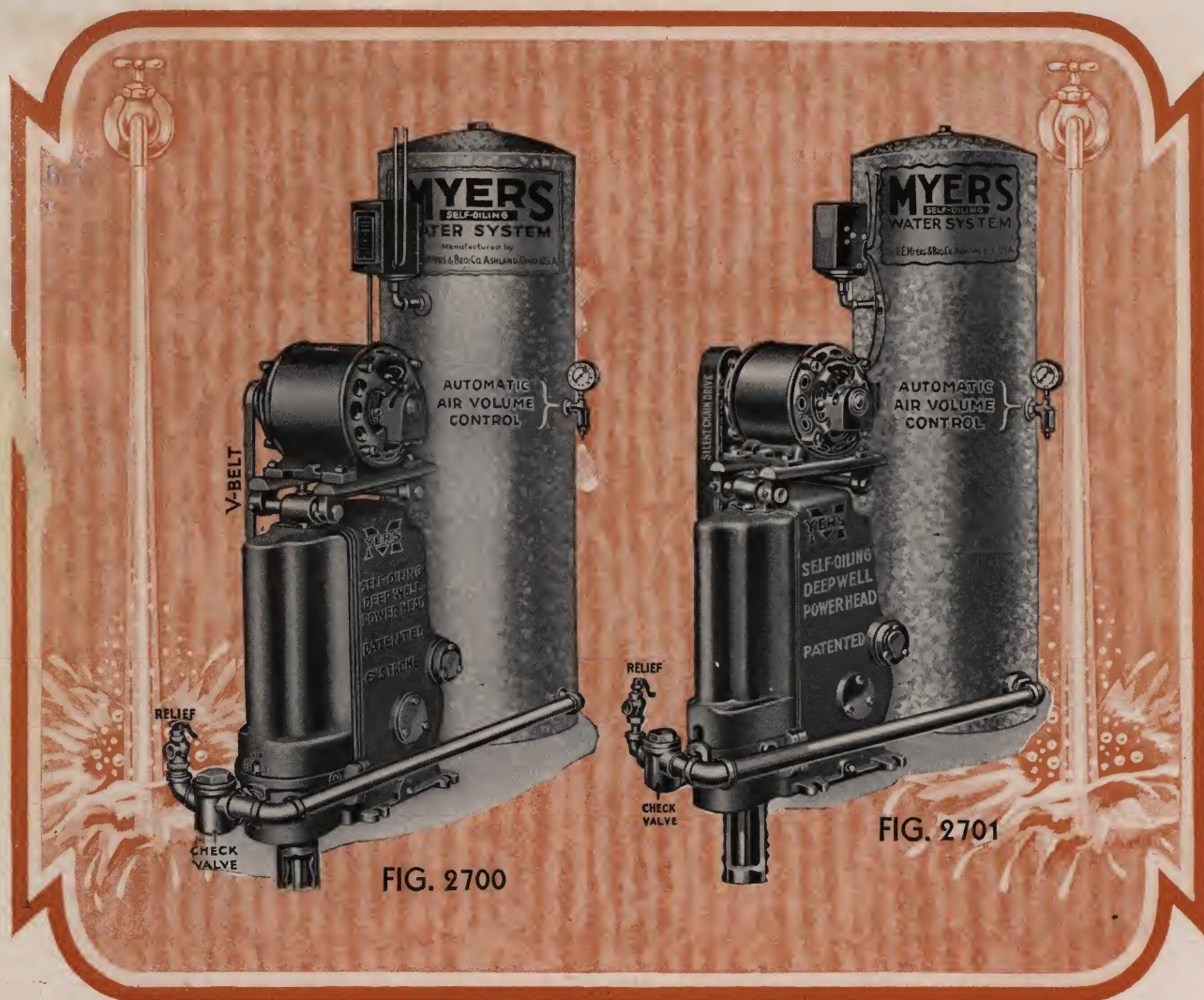
**FIG. 2709, V-BELT DRIVE.**

- No. V2955AM,** Complete as shown in Fig. 2709, including  $\frac{1}{2}$  H. P. 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, V-Belt, Pressure Gauge, Electric Switch, Air Chamber and Relief Valve, all mounted on Plank Base. Price.....\$145.00
- No. V2955AMS,** Same as No. V2955AM, except it is fitted with a 4 foot Anti-Freezing Set Length. Plank Base not included. Price..... 149.00
- Extra Belt for above Pumps..... 2.00
- Any of the above outfits when fitted with a  $\frac{1}{3}$  H. P., A. C. Motor, deduct from above Price..... 12.00
- Any of the above outfits when fitted with a  $\frac{3}{4}$  H.P., A. C. Motor, add to above Price.....\$12.00
- Any of the above Silent Chain Outfits with 1 H. P., A. C. Motor. add to above Price..... 31.00
- Any of the above V-Belt Outfits with 1 H. P., A. C. .... Motor (with Double Belt), add to above Price..... 34.00
- Furnished with Stuffing Box instead of Plunger Tube if specified on order.  
Working Barrel or Cylinder Not Included in Above Lists.

If frequency and voltage are other than specified above on motor, there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.







## Myers Deep Well Water Systems.

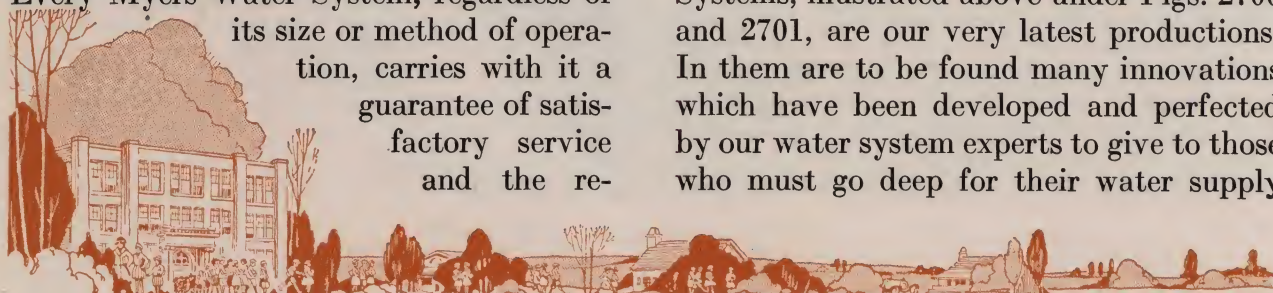
Complete Self-Oiling Automatic Units. For Wells Over 25 Feet in Depth.

6 Inch Stroke. V-Belt or Silent Chain Drive. 1 H. P. Motor Maximum.

Myers Water Systems are designed and built by specialists. There is over fifty years of pump building experience in the manufacture of hand and power pumps behind their development and introduction. Every Myers Water System, regardless of its size or method of operation, carries with it a guarantee of satisfactory service and the re-

sponsibility behind this guarantee is a permanent warranty of highest quality in design, materials and workmanship.

The Myers Self-Oiling Deep Well Water Systems, illustrated above under Figs. 2700 and 2701, are our very latest productions. In them are to be found many innovations which have been developed and perfected by our water system experts to give to those who must go deep for their water supply





# Myers Deep Well Water Systems.

neat, compact and complete water units (with the exception of the lower cylinder) which can be easily and quickly installed.

They are composed of a Myers Self-Oiling Deep Well Power Pump or Working Head with motor mounted on the gear case, forty-two gallon tank conveniently located and closely connected, V-belt or silent chain drive, pressure gauge, electric switch and other equipment as enumerated in lists given below.

The pump is connected to the tank by a union check valve, and both the air and water are pumped into the tank through this single discharge line, thus doing away entirely with complicated parts, thereby simplifying the installation.

The air is supplied by the Air Cylinder with which the pump is equipped and is controlled by the **Automatic Air Control** which eliminates air bound or water logged tanks. When not pumping the air cylinder stands idle.

A  $1\frac{13}{16}$ ,  $2\frac{1}{4}$ ,  $2\frac{1}{2}$  or 3 inch lower cylinder can be successfully used with this system, the volume of water being governed by the size of the cylinder.

**H. P. Required to Operate Different Sized Cylinders in Different Depth Wells.**

Diam. Cyl. in.	Gals. per min.	44 R.P.M.	Max. H. P. Motor Required			
			$\frac{1}{3}$	$\frac{1}{2}$	$\frac{3}{4}$	1
$1\frac{13}{16}$	2.5	Max. Depth	35	135	245	
$2\frac{1}{4}$	4.25	Wells		50	110	190
$2\frac{1}{2}$	5.50	40 lbs.			60	100
3	7.25	Pressure			40	75

If you are interested in modern water facilities for your home, farm, country estate or for any other purpose, and your well or source of supply is beyond the depth of an ordinary suction pump, be sure to investigate these sturdy and trim, practical and modern Myers Outfits which are equipped as enumerated below and which will win the instant approval of yourself and every member of your household through the excellent service they give.

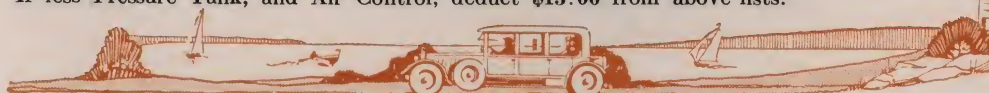
**FIG. 2700, V-BELT DRIVE.**

6 Inch Stroke. 1 H. P. Maximum. Suction $2\frac{1}{2}$ " and Bushed to $1\frac{1}{4}$ ". Discharge 1".	
Piston Rod Coupling $\frac{1}{2}$ " x $\frac{3}{8}$ ". Floor Space, 22" x 46" x 51" High.	
No. V2950AMT,	Complete as shown, including $\frac{1}{2}$ H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, V-Belt, Pressure Gauge, Electric Switch, Automatic Air Control, Relief Valve and 42 Gallon Galvanized Tank. (Cylinder Not Included.) Price .....
No. V2950AMTS,	Same as No. V2950AMT, except with 4 foot Anti-Freezing Set Length. Price .....
No. V2951AMT,	Same as No. V2950AMT, except Tapped 3 Inch Suction. Price .....
No. V2951AMTS,	Same as No. V2950AMTS, except Tapped 3 Inch Suction, Price .....
	Extra V-Belt for above pumps. (Each Section) .....
	\$145.00
	149.00
	150.00
	154.00
	2.00

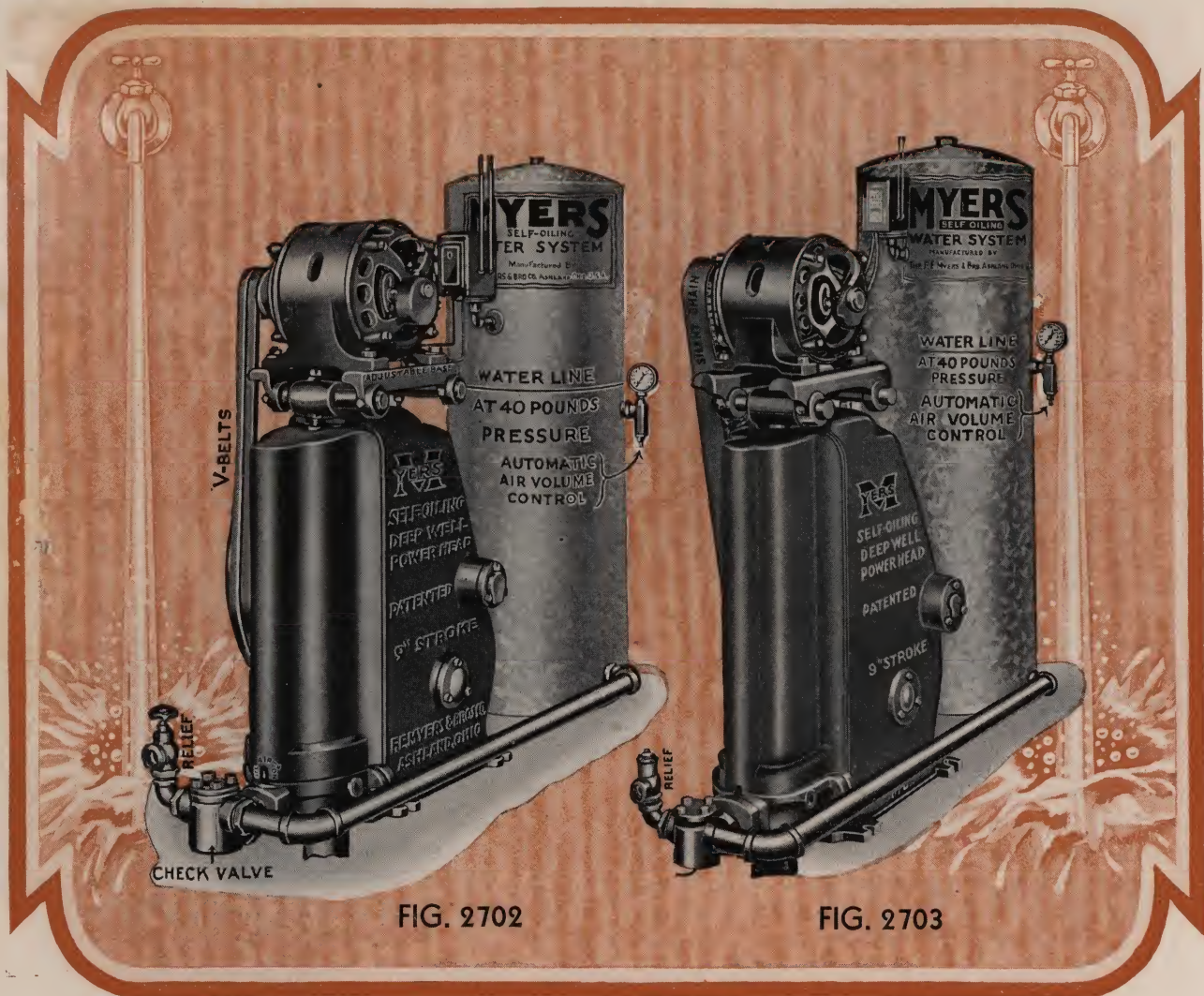
**FIG. 2701, SILENT CHAIN DRIVE.**

No. C2950AMT,	Complete as shown, including $\frac{1}{2}$ H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, Pressure Gauge, Automatic Air Control, Electric Switch, Relief Valve and 42 Gallon Galvanized Tank. (Cylinder Not Included.) Price .....
No. C2950AMTS,	Same as No. C2950AMT, except with 4 foot Anti-Freezing Set Length. Price .....
No. C2951AMT,	Same as No. C2950AMT, except Tapped 3 Inch Suction. Price .....
No. C2951AMTS,	Same as No. C2950AMTS, except Tapped 3 Inch Suction. Price .....
	Any of the above outfits when fitted with $\frac{1}{3}$ H. P., A. C. Motor, deduct from price.....
	Any of the above outfits when fitted with $\frac{3}{4}$ H. P., A. C., Motor, add to price.....
	Any of the above Silent Chain Pumps when fitted with 1 H.P., A. C. Motor, add to price.....
	Any of the above V-Belt Pumps when fitted with 1 H.P., A. C. Motor, (With Double Belt) add to price.....
	Furnished with Stuffing Box instead of Plunger Tube if specified on order. Working Barrel or Cylinder not Included in Above Lists.
	\$160.00
	164.00
	165.00
	169.00
	12.00
	\$12.00
	31.00
	34.00

If frequency and voltage are other than specified above on motor, there will be an extra charge. Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage. If less Pressure Tank, and Air Control, deduct \$13.00 from above lists.







## Myers Deep Well Water Systems.

### SELF-OILING.

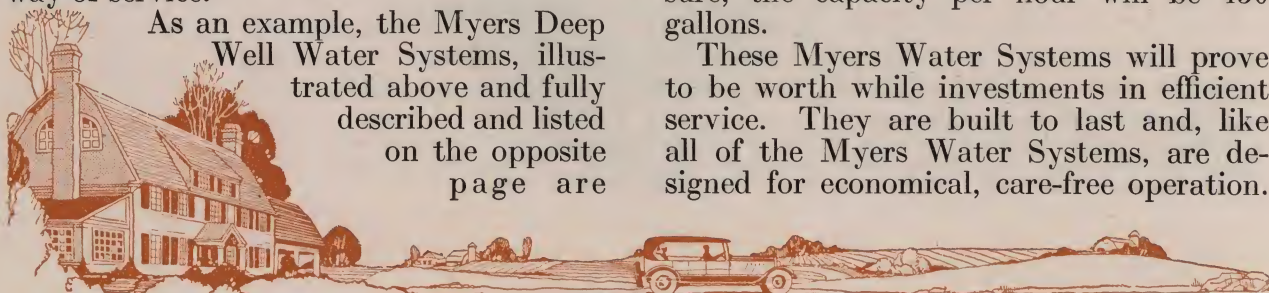
A Complete Automatic Unit for Wells to Exceed 25 Feet in Depth.  
9 Inch Stroke. V-Belt or Silent Chain Drive. 3 H. P. Motor Maximum.

Myers Water Systems for deep well service represent progress. There is no reason, any more, for an unreliable water supply where the well happens to be a deep one. Myers Water Systems with their positive self-lubrication, housed working parts, automatic control and other recent improvements leave nothing to be desired in the way of service.

As an example, the Myers Deep Well Water Systems, illustrated above and fully described and listed on the opposite page are

complete units, with the exception of the lower cylinder, ready for installation in wells or other sources of supply over twenty-four feet in depth. The hourly capacity of this system varies with the size of the lower cylinder and depth of well. For example, when a  $2\frac{3}{4}$  inch lower cylinder is used in a 200 foot well at 40 pounds pressure, the capacity per hour will be 450 gallons.

These Myers Water Systems will prove to be worth while investments in efficient service. They are built to last and, like all of the Myers Water Systems, are designed for economical, care-free operation.





# Myers Deep Well Water Systems.

Where the well or other source of water supply is beyond the suction depth of a shallow well pump—where volume, economy and reliability are essential—there is a distinct and definite place for this Myers Self-Oiling Deep Well Water System. We recommend it for large residences, country estates, summer homes, centralized schools, creameries, dairies—anywhere where the hourly consumption of water does not exceed its capacity limits it is sure to give the utmost in satisfaction.

This Myers Self-Oiling Deep Well Water System is composed of a Myers Self-Oiling Deep Well Power Pump and Motor, connected to a forty-two gallon galvanized tank, usually located at one side of the pump but which can be placed elsewhere if desired. The pump is equipped with an air cylinder and is connected direct to tank by discharge pipe and union which permits both air and water to enter the tank through the one discharge line. **The necessary amount of air is controlled by the Automatic Air Control.**

Quite frequently conditions under which a system of this kind is installed necessitate the use of an anti-freezing set length. This is our reason for equipping it when desired with a Four Foot Anti-Freezing Set Length, the additional cost of which is

small when compared with the trouble it frequently averts. Where it is necessary to use a larger size of tank than the one with which this system is regularly furnished, we will supply the pump without tank and water gauge.

## H. P. Required to Operate Different Sized Cylinders in Different Depth Wells.

Diam. Cyl. in.	Gals. per min.	37 R.P.M.	Max. H. P. Motor Required			
			1	1½	2	3
1½	3.25	37 R.P.M. Pressure 50 lb.	235	435		
2¼	5.25		85	210	335	475
2¾	7.75		35	110	135	385
3¼	10.75				110	185
3¾	14.50				85	135

As manufacturers of Cylinders in all standard styles and sizes, it is but natural for us to recommend the use of a Myers Cylinder when installing a Myers Deep Well Water System. Without regard to the name of your deep well water system, be it Myers or otherwise, unless it is equipped with a reliable lower cylinder, which is termed, in pump circles, "the heart of the pump," your water system will not be satisfactory. Insist on Myers Cylinders—they are "Honor-Bilt" and endowed with those qualities which are vitally important to the successful operation of your deep well water system.

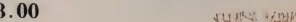
## FIG. 2703, SILENT CHAIN DRIVE.

9 Inch Stroke. 3 H. P. Motor Maximum. Regular Suction 3". Discharge 1½".  
Piston Rod Coupling 5/8" x 7/8" Pin. Floor Space, 22" x 57" x 51" High.

No. C2958AMT,	Complete, including 1 H.P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, Pressure Gauge, Air Control, Electric Switch and 42 Gallon Galvanized Tank. (Cylinder Not Included.) Price.....	\$261.00
No. C2958AMTS,	Same as No. C2958AMT, with four foot Anti-Freezing Set Length. Price .....	271.00
No. C2959AMT,	Same as No. C2958AMT, except Tapped 4 Inch Suction, Price .....	269.00
No. C2959AMTS,	Same as No. C2959AMTS, except Tapped 4 Inch Suction, Price .....	279.00

## FIG. 2702, V-BELT DRIVE.

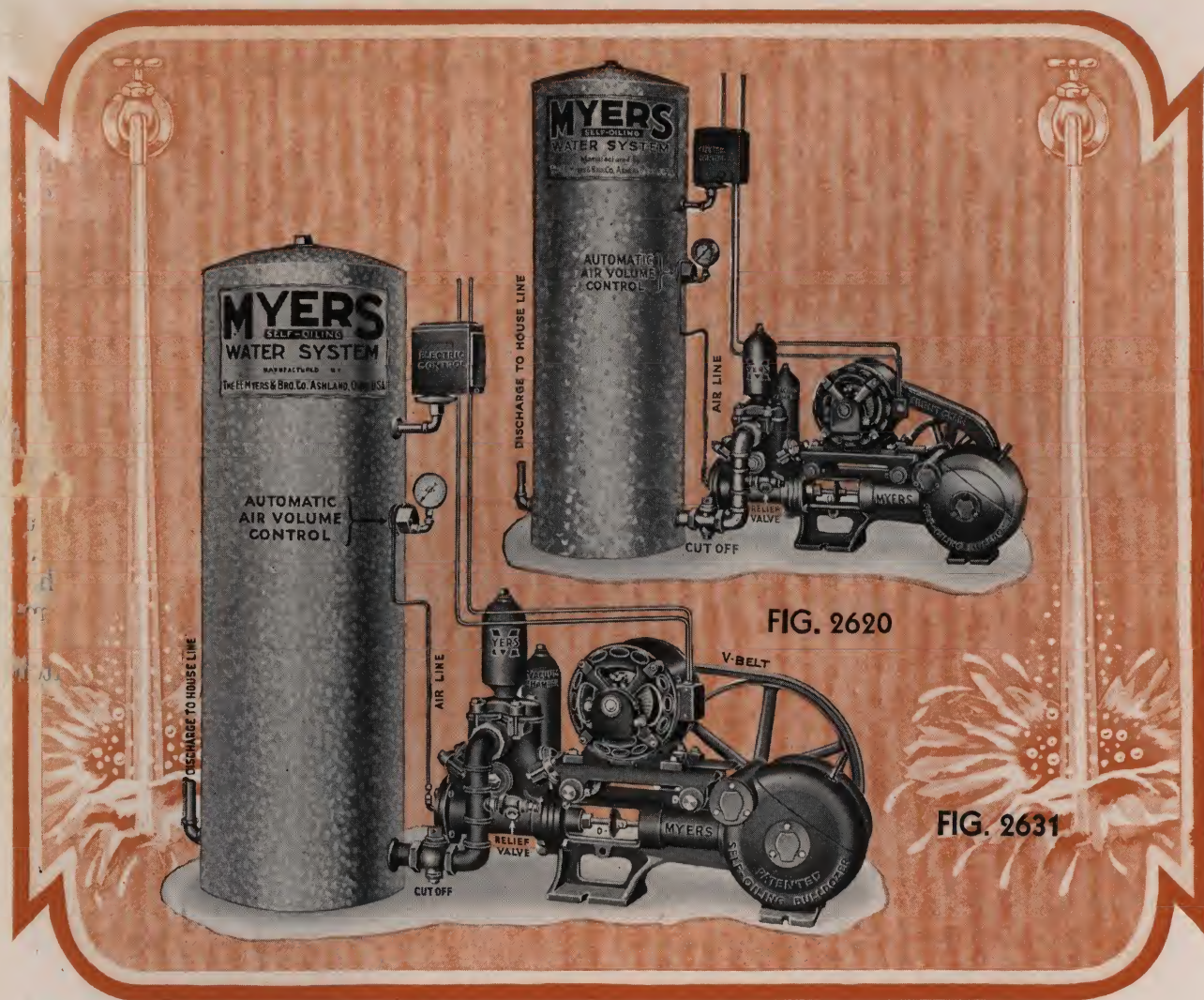
No. V2958AMT,	Complete, including 1 H.P., 110-220 Volt, 60 Cycle, Single Phase, A.C. Motor, V-Belt, Pressure Gauge, Air Control, Electric Switch and 42 gallon Galvanized Tank. (Cylinder not included.) Price .....	\$230.00
No. V2958AMTS,	Same as No. V2958AMT, with four foot Anti-Freezing Set Length. Price .....	240.00
	Extra Belt for above Pumps .....	\$ 2.50
No. V2959AMT,	Same as No. V2958AMT, except Tapped 4 Inch Suction, Price .....	238.00
No. V2959AMTS,	Same as No. V2959AMTS, except Tapped 4 Inch Suction, Price .....	248.00
If 1 1/2 H. P. Motor, add to above Prices .....		\$22.00,
If 2 H. P., A. C. Motor, add to above Prices .....		41.00,
If 3 H. P., A. C. Motor, (with Triple Belt), add to above Prices .....		82.00,
For 3 H. P., 3 Phase Automatic Start Motor, (with Triple Belt), add to above Prices .....		71.00,
When 3 H. P. Motor is specified add for Special Chain and Sprockets .....		For Chain 15.00



If frequency and voltage are other than specified above on motor, there will be an extra charge.  
Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.  
If less Pressure Tank, Water Gauge and Air Control, deduct from above lists. \$13.00







## Myers Shallow Well Water Systems.

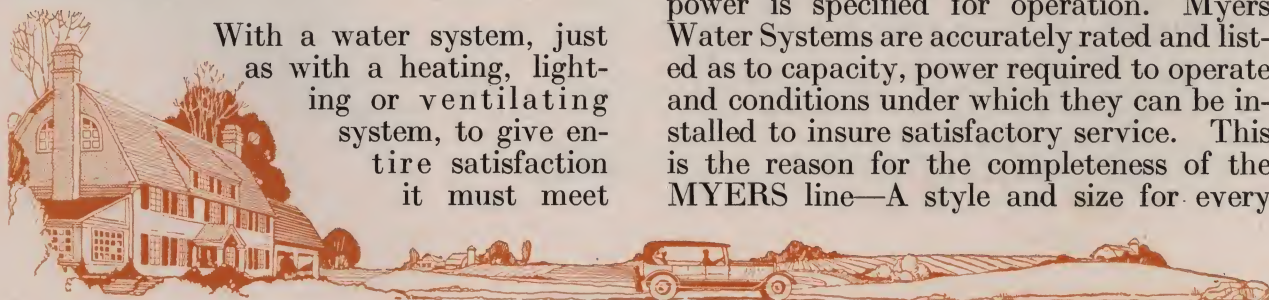
A Complete Automatic Unit for Wells Not to Exceed 25 Feet in Depth.

V-Belt or Silent Chain Drive.

Not all water requirements can be successfully met with but one or two styles of water systems. There are homes where but one or two hundred gallons of water will be used daily while in others two, three or even four thousand gallons or more will be required every twenty-four hours.

With a water system, just as with a heating, lighting or ventilating system, to give entire satisfaction it must meet

all of the requirements for which it was installed. A water system with a rated capacity of from two to three hundred gallons per hour cannot be expected to supply from five or six hundred gallons, neither should a sixth or quarter horse power moter be used where a half horse power is specified for operation. Myers Water Systems are accurately rated and listed as to capacity, power required to operate and conditions under which they can be installed to insure satisfactory service. This is the reason for the completeness of the MYERS line—A style and size for every





# Myers Shallow Well Water Systems.

installation assures every installation being a satisfactory one.

Where up to 1000 gallons of water per hour are required and where the source of supply does not exceed twenty-five feet in depth the Myers Shallow Well Water System as illustrated under Figs. 2620 and 2631, will be found an ideal one for this purpose. It is a complete Automatic Unit ready to connect with the water and power lines. Automatically controlled, self-oiling, self-starting, self-stopping, self-contained, safe and economical to operate, we recommend this Myers System for large residences, country estates, summer hotels, centralized schools, creameries and other places where not over one thousand gallons of water will be used hourly.

You have but to examine this shallow well water system, note its sturdiness and practical improvements, to realize why we have brought it out. Here is a Myers System that presents an opportunity through ample capacity and high efficiency for those who use a large volume of water every day to have it—have it whenever and wherever wanted.

Its very design and construction lend themselves to ease of installation and simplicity of operation. Locate it at any

convenient point within reasonable distance of the water supply source—protect it against weather extremes, particularly so if operation is to continue throughout the winter season—connect it with suction and discharge pipes—attach to service wires—carry water through discharge lines to house taps, to lawn and stable taps, to garden and greenhouse taps—to any point desired—replenish oil every three or four months—forget the water system entirely—have plenty of water all of the while.

This Myers Shallow Well Water System is cataloged under two sizes of 500 and 1000 gallons per hour capacity. In either size, the system is complete, being composed of a Myers Self-Oiling Bulldozer Power Pump, motor, tank, automatic switch and pressure gauge, ready to connect up. A forty-two gallon tank is regularly furnished but where a larger tank is required we ship the outfit without the tank and air control which permits of any size or style of tank being used.

Automatic in operation with a variation of twenty pounds between low and high pressure, this system, with ample volume for many purposes, will safeguard your water supply for household, sanitary, agricultural or other needs.

## FIG. 2631, V-BELT DRIVE.

Maximum Capacity—500 Gallons per Hour.

No. V912AMT, Complete, including No. V912AM, 2½" x 3" Pump, ½ H.P. 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, V-Belt, Pressure Gauge, Air Control, Electric Switch, 42 Gallon Galvanized Tank, Relief Valve, Cut-Off and Connecting Pipe. Price.....\$144.00

Maximum Capacity—1000 Gallons per Hour.

No. V913AMT, Complete, including No. V913AM, 3 x 4" Pump, 1 H.P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, V-Belt, Pressure Gauge, Air Control, Electric Switch, 42 Gallon Galvanized Tank, Relief Valve, Cut-Off and Connecting Pipe. Price.....\$212.00

## FIG. 2620, SILENT CHAIN DRIVE.

No. C912AMT, Complete as shown in Fig. 2620, including C912AM, 2½"x3" Pump, ½ H.P. 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor, Pressure Gauge, Air Control, Electric Switch, 42 Gallon Galvanized Tank, Relief Valve, Cut-Off and Connecting Pipe. Price.....\$158.00

No. C913AMT, Complete as shown in Fig. 2620, including C913AM, 3x4" Pump, 1 H.P., 110-220 Volt, 60 Cycle, Single Phase A. C. Motor, Pressure Gauge, Air Control, Electric Switch, 42 gallon Galvanized Tank, Relief Valve, Cut-Off and Connecting Pipe. Price.....\$230.00

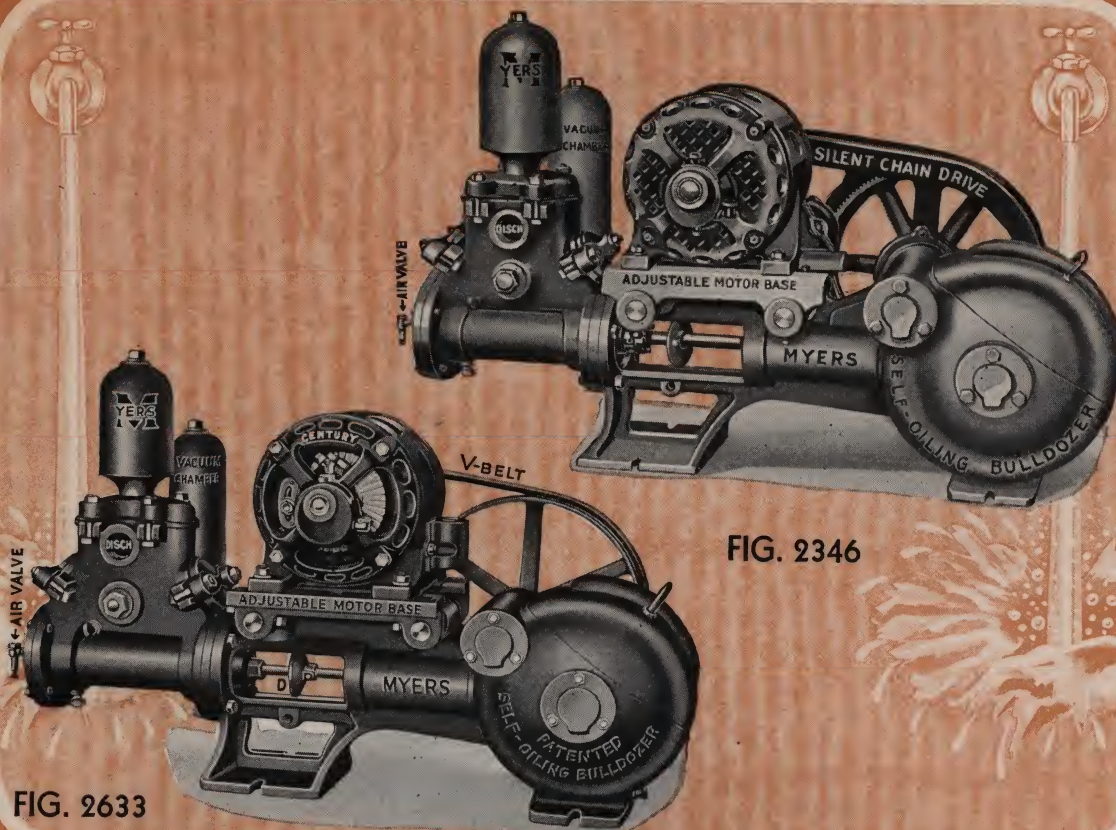
If frequency and voltage are other than specified above on motor there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.

If less pressure tank and air control, deduct from above lists.....\$13.00







## Myers Self-Oiling Shallow Well Power Pumps.

PATENTED.

Designed for General Service. Operated by Any Power.

Twelve Sizes. Capacities from 300 to 9000 Gallons per Hour.

In presenting Myers Self-Oiling Bulldozer Power Pumps to those who may be considering the installation of a power water system, we take pleasure in calling particular attention to several important improvements in their design and construction which in themselves alone have revolutionized the pumping of water by power.

In the past it was always necessary to oil and fill the grease cups on the old types of power pumps daily or at least two or three times a week. If this was overlooked or not carefully attended to, the working parts and bearings soon suffered and in a comparatively short period of time the pump was out of commission and repairs were necessary, all of which poor lubrication was responsible for. Then, too, gears and other working parts being exposed, accidents and breakage would occur now and then, and this was taken for granted with the old types of power pumps.

**MYERS SELF-OILING BULLDOZER POWER PUMPS** with their numerous patented features have created a new standard of water

power facilities entirely different from those of but a few years ago. When compared with older designs they have larger valves, more liberal and direct water ways, a positive self-lubricating system, improved method of power application, housed working parts and other features which permit operation against heavy pressure or at high speeds, securing large volume and high efficiency at a minimum of cost and without the fear of accidents or breakage through carelessness, poor lubrication or exposed parts.

Rightly named, General Service Pumps, whether it be in the home, on the farm or country estate where the pumping duties are comparatively light; in the creamery or dairy where it is always necessary to have plenty of fresh water; at the park, summer resort or golf course where sprinkling and sanitary conditions depend on an ample supply of pure water; in the mill, mine or factory where plenty of water is absolutely essential in the daily activities of the operatives; in the public school or college, in the hospital or sanitarium, where pure water is of vital importance and is given first consideration; in road building and similar work where water is now used in large quantities and must be near at hand to



# Myers Self-Oiling Bulldozer Power Pumps.

keep down construction costs—in fact, wherever water is used in sufficient volume to justify the installation of a power pump there is a MYERS SELF-OILING POWER PUMP for the purpose.

Myers Self-Oiling Bulldozer Power Pumps are now built in Twelve Sizes with capacities ranging from 300 to 9000 gallons per hour. They are designed for a wide range of service and when used with pressure systems (see Fig. 1643, Page 24) are equipped with an air valve which permits of the water and air being pumped into the pressure tank

through a single discharge line. They are furnished with tight and loose pulleys for engine, large pulley and belt tightener for motor, or complete with motor for Silent Chain Drive, are self-contained, strong and compact, and are ready for installation under all kinds of conditions and with any style or make of pressure tank. We list but a few of the sizes below. Other styles and sizes are illustrated described and listed in our complete catalog. Copy mailed on request.

## WITH AIR VALVE FOR PRESSURE TANK SERVICE, ENGINE DRIVE—100 LBS. PRESSURE Without Motor or Engine

Pump No.		Cylinder Brass Lined		Capacity					Eng- ine Belt Drive	Motor Belt Drive		Eng- ine Belt Drive	Motor Belt Drive	Price	
Eng- ine Belt Drive	Motor Belt Drive			Disp. each Rev. of Plgr., Gal.	Usual Plgr. Speed, R.P.M.	Max. Plgr. Speed, R.P.M.	Max. Gals. per Min. at Pump	Max. H.P.	T.&L. In.	Pul- leys Tight Pul- ley, In.	Suc- tion and Dis- charge	Floor Space	Floor Space	Eng- ine Belt Drive	Motor Belt Drive
912A	912AM	2½	3	.128	60	70	9	1	12x2	15x2½	1¼	14"x35"	13"x35"	\$52.00	\$57.00
913A	913AM	3	4	.245	60	70	17	2	14x2½	20x3	1½	18"x43"	15"x45"	82.00	91.00
914A	914AM	4	5	.544	55	65	35	4	16x4	24x4	2	24"x45"	20"x55"	127.00	138.00
915A	915AM	5	5	.85	50	60	51	5	16x4	24x4	2½	24"x57"	20"x57"	142.00	153.00
916A	916AM	6	6	1.47	40	52	76	7	24x4	30x4	3	28"x67"	23"x67"	222.00	236.00

Any of above pumps without Air Intake Valve for pneumatic use, deduct \$2.00.

Fig. 2346—Complete With Motor—Silent Chain Drive—With Air Valve for Pressure Tank Service—100 Lbs. Pressure

Pump No.	Cylinder Brass Lined		Capacity			A.C. Motor 1 Phase 110-220 Volt 60 Cycle H.P.	Suction and Dis.	Floor Space	Price with Motor	Price without Motor
	Diam.	Stroke	Plgr. Speed, R.P.M.	Max. Gals. Per Min. At Pump	Tank Pressure					
C912AM	2½	3	70	9	50	½	1¼	15"x35"	\$116.00	\$ 78.00
C913AM	3	4	70	17	50	1	1½	16"x45"	182.00	116.00
C914AM	4	5	52	28	50	2	2	20"x55"	295.00	192.00
C915AM	5	5	52	44	50	3	2½	20"x57"	350.00	215.00
C916AM	6	6	45	66	50	5	3	24"x67"	518.00	326.00
V-BELT DRIVE—Fig. 2633.										
V912AM	2½	3	70	9	50	½	1¼	15"x35"	102.00	64.00
V913AM	3	4	70	17	50	1	1½	16"x45"	164.00	98.00
V914AM	4	5	52	28		2	2	20"x55"	260.00	157.00
V915AM	5	5	52	44		3	2½	20"x57"	316.00	181.00
V931AM	1¾	3	70	4½	50	½	1	15"x34"	102.00	64.00

Any of above pumps without Air Intake Valve for pneumatic use, deduct \$2.00.

FIG. 2346—HIGH PRESSURE BACK GEARED 5 TO 1

Pump No.		Complete with Motor Chain Drive	Cylinder Brass Lined		Capacity		Engine Belt Drive	Motor Belt Drive	Chain Drive H.P. A.C. Motor 110-220 Volt 60 Cycle	Max. H.P.	Suc. and Disch.	Engine Belt Drive Price	Motor Belt Drive Price	Complete With Chain Motor Drive Price
Engine Belt Drive	Motor Belt Drive		Diam.	Stroke	Max. Plgr. Speed R.P.M.	Max. Gals. Per Min.	Pulley Inches	Pulley Inches						
931	931M	C931M	1¾"	3"	70	4⅓	12x2	15x2½	½	½	1x¾	\$ 50.00	\$55.00	\$114.00
932	932M	C932M	2¼"	4"	70	9⅔	14x2½	20x3	2	1½	1¼	80.00	89.00	224.00
933	933M	C933M	3"	5"	55	16¾	16x4	24x4	5-3Ph	5	1½	125.00	136.00	375.00
934	934M	C934M	4"	6"	55	32½	24x4	30x4	7½-3Ph	10	2	220.00	234.00	565.00
		V931M	1¾"	3"	70	4⅓	V-Belt Drive		½		1x¾			100.00





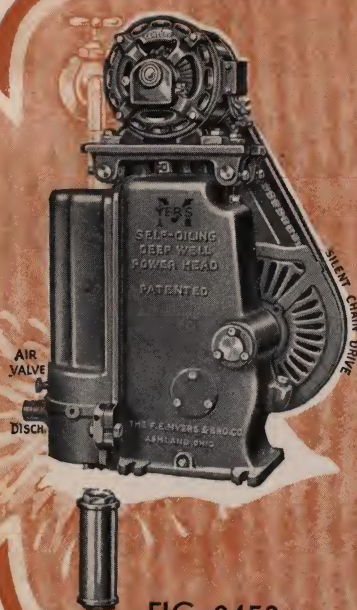


FIG. 2453



FIG. 2628

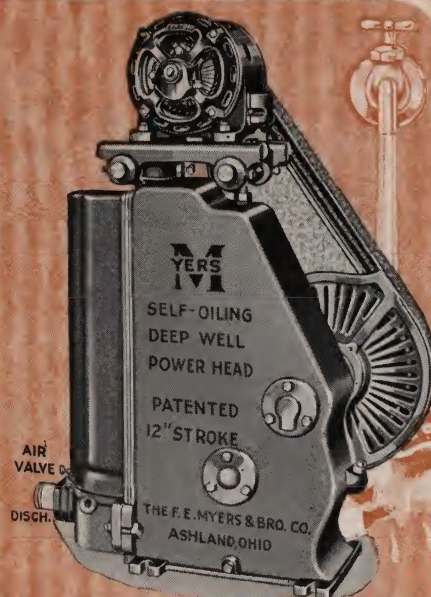


FIG. 2528

## Myers Self-Oiling Deep Well Power Pumps.

PATENTED.

Six, Nine, Twelve, Eighteen and Twenty-Four Inch Stroke. Complete with Motor

V-Belt or Silent Chain Drive. Designed for Deep Well Service.

There is a very large number of homes and farms located in districts where the source of water supply lies beyond the depth of an ordinary shallow well pump. If you live in a community like this and contemplate the installation of a water system for your home, farm, country estate, or for any other purpose, you will be interested in Myers Self-Oiling Deep Well Power Pumps and will appreciate their high quality and many splendid features which are responsible for the expression "Myers leads the world in perfect water service."

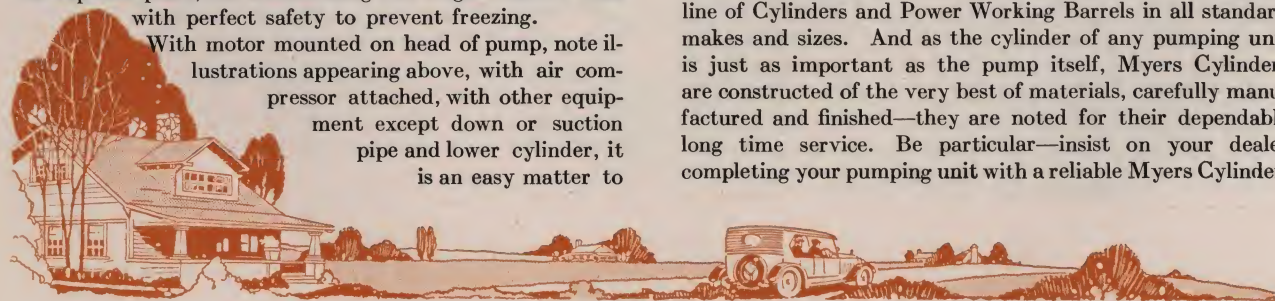
Here is a line of dependable deep well power pumps from which you can select with confidence a style and a size that will meet your own water requirements. 6, 9, 12, 18 and 24 inch stroke—surely a wide enough range of sizes to satisfactorily fill any need up to ten thousand gallons of water per hour. And where climatic conditions are severe during the winter period and it is necessary to locate the pump in an exposed place, an anti-freezing set length can be used with perfect safety to prevent freezing.

With motor mounted on head of pump, note illustrations appearing above, with air compressor attached, with other equipment except down or suction pipe and lower cylinder, it is an easy matter to

install and operate a Myers Self-Oiling Deep Well Power Pump. Any style of pressure tank can be used, and where it is desirable by employing an automatic pressure switch the operation can be automatically controlled. Myers Self-Oiling Deep Well Power Pumps are also furnished without the air compressor for open tank or other service thus meeting every requirement in this particular field.

Larger volume of water at lower cost, perfect and continuous lubrication, minimum of wear and breakage, freedom from care and attention, more service years, are important Myers qualities worth considering by anyone who is ready to install a new deep well outfit.

In this catalog we list only the 6, 9 and 12 inch stroke sizes. If you are interested in the larger sizes with 18 or 24 inch stroke, we will welcome the opportunity of sending you literature and giving you complete information about them. Lest you forget, we are also manufacturers of a complete line of Cylinders and Power Working Barrels in all standard makes and sizes. And as the cylinder of any pumping unit is just as important as the pump itself, Myers Cylinders are constructed of the very best of materials, carefully manufactured and finished—they are noted for their dependable long time service. Be particular—insist on your dealer completing your pumping unit with a reliable Myers Cylinder.





# Myers Self-Oiling Deep Well Power Pumps.

## Fig. 2453—6 Inch Stroke. V-Belt or Silent Chain Drive.

Complete With Motor. For Pressure Tank Service. 1 H. P. Motor Maximum. Back Geared 7 to 1. Suction Tapped 2½ Inches and Bushed to 1¼ Inches. Discharge 1¼ Inch. Piston Rod Coupling ½ x ⅝ inch. 1 Inch Air Compressor.

	V-Belt	Chain	Price	Price
No. V2950AM	No. C2950AM	Complete, including ½ H. P., 110-220 Volt, Single Phase, A. C. Motor and V-BELT or SILENT CHAIN DRIVE. Cylinder not included. Price.....	\$105.00	\$120.00
No. V2950AMS	No. C2950AMS	Same as No. V or C 2950 AM, except with a 4 foot Anti-Freezing Set Length Price.....	109.00	124.00
No. V1950AM	No. C1950AM	Same as No. V or C 2950 AM, less Motor and Belt. Price.....	67.00	82.00
		Any of the above pumps tapped for 3" Suction, add to Price.....	5.00	5.00
		Extra V-Belt for V-Belt Pumps. (Each Section) Price.....	2.00	
		Extra Motor Pulley for V-Belt Pumps. (State size bore and keyway).....	2.00	
		If with ½ H. P. A. C. Motor, deduct.....	12.00	12.00
		If with ¾ H. P. A. C. Motor, add.....	12.00	12.00
		If with 1 H. P. A. C. Motor, (With Double Belt), add.....	34.00	31.00
		Fig. 2292, Special Check Valve, 1¼ x 1". Price.....	3.00	3.00

## Fig. 2628—9 Inch Stroke. V-Belt, Flat Belt or Silent Chain Drive.

3 H. P. Motor Maximum.

Back Geared 7 to 1. Suction 3 Inch. Discharge 2 Inch. Special Suction 4 Inch, Discharge 2½ Inch. Piston Rod Coupling ⅝ Inch Pin x ⅞ Inch Pin. 1 Inch Air Compressor. Expansion Plunger 1¾ Inches.

### WITH MOTOR AND V-BELT

No. V2958AM	Complete including 1 H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor and V-Belt, (With Double Belt). Price.....	\$190.00
No. V2958AMS	Same as No. V2958AM, with 4 Foot Anti-Freezing Set Length.....	200.00
No. V2959AM	Same as No. V2958AM, with 4" Suction and 2½" Discharge.....	198.00
	If with 1½ H. P. A. C. Motor as above, add.....	22.00
	If with 2 H. P. A. C. Motor as above, add.....	41.00
	If with 3 H. P. A. C. Motor as above, (With Triple Belt) add.....	82.00
	If with 3 H. P., 3 Phase, Auto. Start Motor (With Triple Belt) add.....	71.00
No. V1958AM	Same as No. V2958AM, WITHOUT MOTOR. Price.....	124.00
No. V1959AM	Same as No. V2959AM, WITHOUT MOTOR. Price.....	132.00
	Extra Belt for Above Pumps (Each Section) Price.....	2.50
	Extra Motor Pulley (State size of bore and keyway). Price.....	2.50
	Fig. 2292, Special Ck. Valve, 2x1½", for use between Pump and Tank. Price.....	4.50

### WITH MOTOR AND SILENT CHAIN

No. C2958AM	Same as No. V2958AM but for Chain Drive. Price.....	221.00
No. C2958AMS	Same as No. C2958AM, with 4 Foot Anti-Freezing Set Length.....	231.00
No. C2959AM	Same as No. C2958AM, with 4" Suction and 2½" Discharge.....	229.00
	If with 1½ H. P. A. C. Motor as above, add.....	22.00
	If with 2 H. P. A. C. Motor as above, add.....	41.00
	If with 3 H. P. A. C. Motor as above, add.....	77.00
	If with 3 H. P., 3 Phase, Auto. Start Motor, add.....	66.00
No. C1958AM	Same as No. C2958AM, WITHOUT MOTOR. Price.....	155.00
No. C1959AM	Same as No. C2959AM, WITHOUT MOTOR. Price.....	163.00
	When 3 H. P. Motor is specified, add for chain and sprockets.....	15.00
	Fig. 2292, Special Check Valve, 2x1½", for use between pump and tank. Price.....	4.50

## Fig. 2528—12 Inch Stroke. V-Belt, Flat Belt or Silent Chain Drive.

5 H. P. Motor Maximum

Backed Geared 7 to 1. Regular Suction 4 Inch. Discharge 3 Inch. Special Suction 5⅝ or 6 Inch, Discharge 3 Inch. Rod Coupling ⅞ Inch Pin. Air Compressor 1 Inch. 2½ Inch Expansion Plunger.

	V-Belt	Chain	V-Belt	Chain
No. V2960AM	No. C2960AM	Complete including 1½ H. P., 110-220 Volt, 60 Cycle, Single Phase, A. C. Motor and Double V-Belt or Chain. Price.....	\$266.00	\$302.00
No. V2960AMS	No. C2960AMS	As above, with 4 Foot Anti-Freezing Set Length.....	278.00	314.00
No. V2962AM	No. C2962AM	Same as No. V2960AM or C2960AM for 5⅝" I. D. Casing or 6" Pipe for Suction. (State which is wanted.) Price.....	276.00	312.00
		If with 2 H. P. A. C. Motor as above, add.....	19.00	19.00
		If with 3 H. P., 1 Phase, A. C. Motor, as above, (Three Belts) add.....	63.00	55.00
		If with 3 H. P., 3 Phase, Auto. Start Motor, (Three Belts) add.....	52.00	44.00
		If with 5 H. P., 1 Phase, A. C. Wagner Motor (With Four Belts) for V-Belt Pumps, add.....	135.00	
		If with 5 H. P., 1 Phase, A. C. Wagner Motor, add.....		119.00
		If with 5 H. P., 3 Phase, Auto. Start Motor, (With Four Belts), add.....	91.00	
		If with 5 H. P., 3 Phase, Auto. Start Motor, add.....		75.00
		If 5 H. P. Motor is specified for Chain Driven Pumps, add for Chain and Sprockets.....		25.00
No. V1960AM	No. C1960AM	Same as V2960AM or C2960AM, WITHOUT MOTOR.....	180.00	216.00
No. V1962AM		Same as V2962AM, WITHOUT MOTOR.....	190.00	
		Extra V-Belt, each section. Price.....	4.00	
		Extra Motor Pulley for V-Belt Pumps (State size of bore and keyway). Price.....	4.00	

Any of the pumps listed on this page will be furnished with Stuffing box instead of Plunger Tube if specified on order.

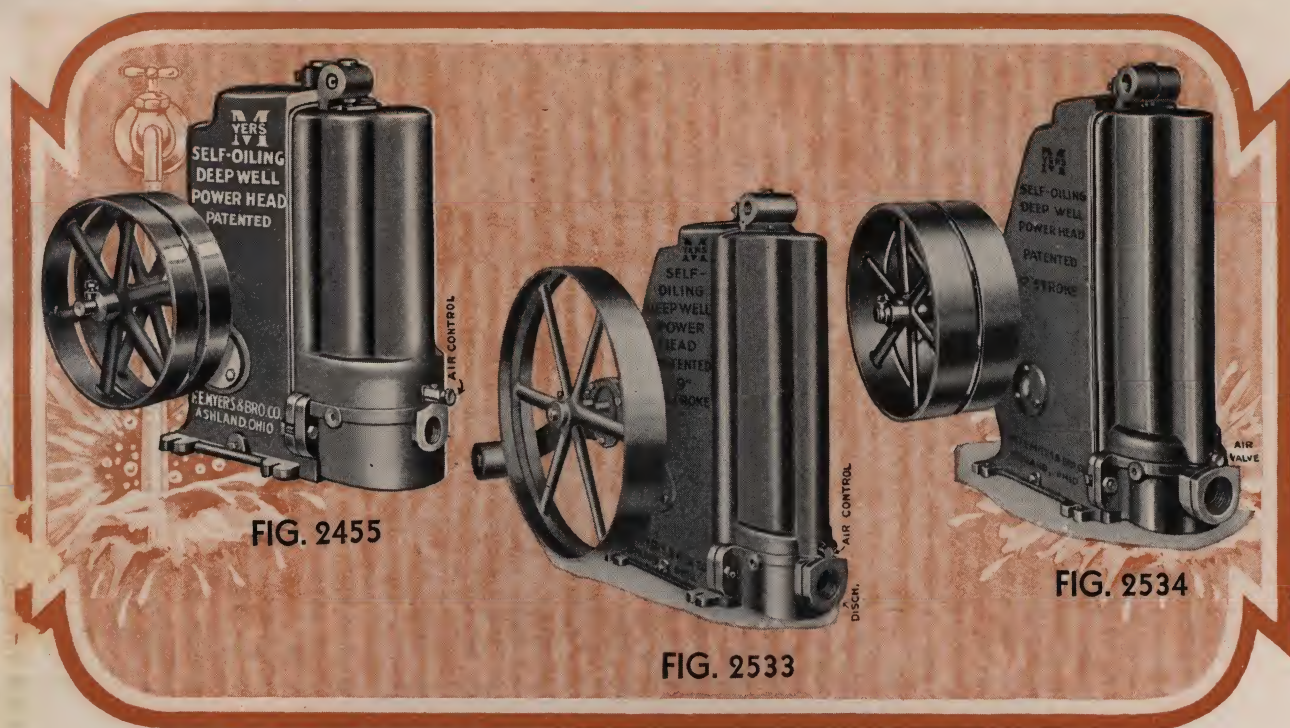
Working Barrel or Cylinder Not Included in Above Lists.

If Frequency and Voltage are other than specified there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage. If D. C. give voltage.







## Myers Self-Oiling Deep Well Power Pumps.

PATENTED.

Six, Nine, Twelve, Eighteen and Twenty-Four Inch Stroke.

All Moving Parts Enclosed. Machine Cut Gear. Back Geared 7 to 1.

Engine or Motor Drive. For Pressure or Open Tank Service.

Deep wells and sources of water supply beyond the depth of an ordinary suction pump present problems that must be met with a deep well pump of some kind. In many localities shallow wells prevail, but where deep wells abound care should be taken to choose a pump that will stand up under severe strain, for deep well pumping tests the qualities of power pumps to the extreme and indicates in a comparatively short period of time whether or not the pump is going to give continuous satisfaction.

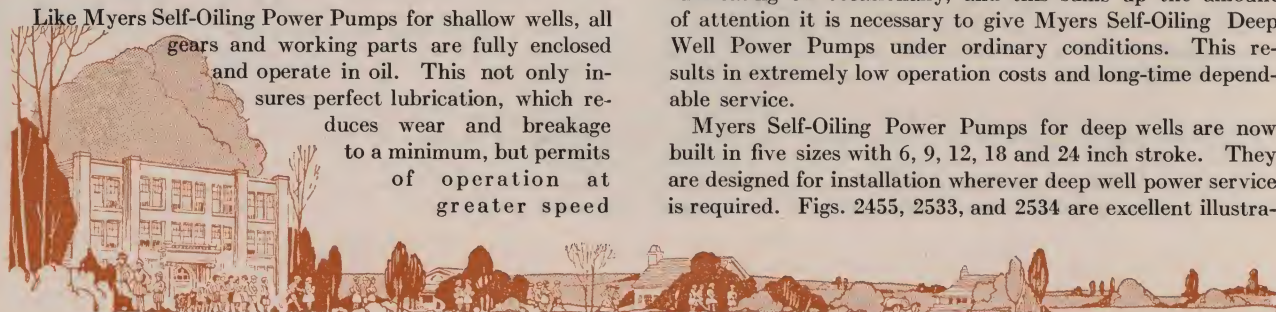
Myers Self-Oiling Bulldozer Deep Well Power Pumps are distinguished by many exclusive features and improvements which through letters patent cannot be duplicated on pumps of other manufacture. They are of an entirely new design and have been developed and placed on the market by us to give to those who must employ deep well pumps to obtain their water supply a different class of pumping service.

Like Myers Self-Oiling Power Pumps for shallow wells, all gears and working parts are fully enclosed and operate in oil. This not only insures perfect lubrication, which reduces wear and breakage to a minimum, but permits of operation at greater speed

and against heavier pressure than can be accomplished by older types of pumps. Larger volume at a lower cost, fewer delays through accidents and breakage, continuous twenty-four-hour-a-day service, freedom from care and attention, are some of the accomplishments of Myers Self-Oiling Deep Well Power Pumps to which, with just pride, we call your attention.

It will be noted by the illustrations appearing above although the construction is extremely simple, it is mechanically correct, and with the positive self-lubrication safeguarding the gears and working parts and reducing friction and wear to a minimum, this deep well power pump can be operated continuously under severe strain. It can be truthfully said that it is seldom necessary to give this pump a thought. Start the motor, engine or whatever power is to be employed to operate it, refill the reservoir with any good lubricating oil occasionally, and this sums up the amount of attention it is necessary to give Myers Self-Oiling Deep Well Power Pumps under ordinary conditions. This results in extremely low operation costs and long-time dependable service.

Myers Self-Oiling Power Pumps for deep wells are now built in five sizes with 6, 9, 12, 18 and 24 inch stroke. They are designed for installation wherever deep well power service is required. Figs. 2455, 2533, and 2534 are excellent illustra-





# Myers Self-Oiling Bulldozer Power Pumps.

tions of the regular deep well power pump or working head for forcing water a distance, pumping it into elevated tanks or discharging it at the pump. Some styles have been fitted with Air Compressors for use with a pressure tank. Others are equipped with a four foot anti-freezing set length which permits of their being installed in places exposed to tempera-

ture extremes. Tight and loose pulleys for engine drive, or large pulley and belt tightener for motor power are regularly furnished on all styles. Complete information as to size, equipment and price will be found in the specification table given below. Eighteen and twenty-four inch stroke pumps not listed.

## FIG. 2455—SIX INCH STROKE—FOR PRESSURE TANK SERVICE

Maximum H.P.—1 H.P. Motor or 2 H.P. Gas Engine. 6 Inch Stroke. 44 R.P.M. Piston Rod Coupling  $\frac{1}{2}$ " x  $\frac{3}{8}$ ".  
Suction Tapped  $2\frac{1}{2}$  Inch and Bushed to  $1\frac{1}{4}$ ". Discharge  $1\frac{1}{4}$ ". Floor Space, 17"x24"x23" High.  
Air Compressor, 1". Expansion Plunger  $1\frac{1}{4}$ ".

No. 950A,	Myers Self-Oiling Power Head, 6 inch stroke, Suc. $2\frac{1}{2}$ inch, Disch. $1\frac{1}{4}$ inch, with 12x2 inch Tight and Loose Pulleys for engine drive. Price.....	\$ 55.00
No. 950AS,	Same as No. 950A with 4 foot Anti-Freezing Set Length. Price.....	59.00
No. 950AM,	Myers Self-Oiling Power Head, 6 inch stroke, with 15 x $2\frac{1}{2}$ inch Pulley and Belt Tightener for motor drive. Price.....	60.00
No. 950AMS,	Same as No. 950AM with 4 foot Anti-Freezing Set Length. Price.....	64.00
	Plank Base for above Pumps.....	6.00
	Fig. 2292, Special Check Valve, $1\frac{1}{4}$ x1", for use between Pump and Tank. Price.....	3.00
	Any of the above Pumps without Air Cylinder for open tank or other service, deduct.....	5.00
	Any of the above Pumps Tapped for 3 inch Suction, add.....	5.00

## FIG. 2533—NINE INCH STROKE—FOR PRESSURE TANK SERVICE

4 H.P. Maximum. Piston Rod Coupling  $\frac{5}{8}$ " x  $\frac{1}{8}$ " Pin. Regular Suction Tapped 3"—Discharge 2".  
Special Suction Tapped 4"—Discharge  $2\frac{1}{2}$ ". Floor Space, Engine Drive, 21" x 29" x 33".  
Floor Space, Motor Drive, 21" x 34" x 33". Air Compressor, 1". Expansion Plunger,  $1\frac{1}{4}$ ".

No. 958A,	Myers Self-Oiling Bulldozer Power Head, 9 inch stroke, 16x3 inch Tight and Loose Pulleys for engine drive, tapped for 3 inch Suction and 2 inch Discharge Pipe. Price.....	\$102.00
No. 958AS,	Same as No. 958A with 4 foot Anti-Freezing Set Length. Price.....	112.00
No. 958AM,	FOR MOTOR DRIVE, same as No. 958A, excepting that it has 24 x 3 inch Tight Pulley only and Belt Tightener. Price.....	113.00
No. 958AMS,	Same as No. 958AM with 4 foot Anti-Freezing Set Length. Price.....	123.00
No. 959AM,	Same as No. 958AM except fitted for 4" Suction and $2\frac{1}{2}$ " Discharge. Price.....	121.00
No. 959AMS,	Same as No. 958AMS except fitted for 4" Suction. Price.....	131.00
	Plank for Above Pumps.....	6.00
	Any of above pumps without Air Cylinder for open tank or other service, deduct from lists.....	7.00

Six and Nine Inch Stroke Pumps Furnished with Stuffing Box instead of Plunger Tube if Specified on Order. Motor Prices on Application.

When current is supplied by Farm Lighting Plant, use Hand Control Starting Switch as the Automatic Switch draws too heavily on the battery at starting.

## FIG. 2534—TWELVE INCH STROKE—FOR PRESSURE TANK SERVICE

6 H.P. Maximum. Piston Rod Coupling  $\frac{7}{8}$ " Pin. Suction Tapped 4" Regular. Discharge 3". Air Compressor 1".  
Expansion Plunger  $2\frac{1}{2}$ ". Floor Space, Engine Drive, 27" x 37" x 38" High. Motor Drive 23" x 42" x 38" High.

No. 960A,	Myers Self-Oiling Bulldozer, Power Head, Fig. 2534, 12 inch Stroke, 20 x 4 inch Tight and Loose Pulleys, with Air Compressor, tapped for 4 inch suction and 3 inch discharge pipe. Price.....	\$147.00
No. 960AS,	Same as No. 960A, with 4 foot Anti-Freezing Set Length. Price.....	159.00
No. 960AM,	FOR MOTOR DRIVE, same as No. 960A, excepting it has 30 x 4 inch Tight Pulley only and Belt Tightener. (Motor and Belt not included.) Price.....	161.00
No. 960AMS,	Same as No. 960AM with 4 foot Anti-Freezing Set Length. Price.....	173.00
	Air Chamber for the above, extra.....	13.50
No. 962AM,	Same as No. 960A but fitted for $5\frac{5}{8}$ " I. D. Casing or 6" Pipe for suction. (State which is wanted.).....	\$171.00
	Any of the above pumps without air cylinder for open tank or other service, deduct from lists.....	7.00

Any of the Outfits Listed above will be furnished with Stuffing Box instead of Plunger Tube if specified on order.

Working Barrel or Cylinder Not Included in any of Above Lists.

If frequency and voltage are other than specified above on motor, there will be an extra charge.

Specify current used. If A. C. give phase, frequency and voltage.  
If D. C. give voltage.





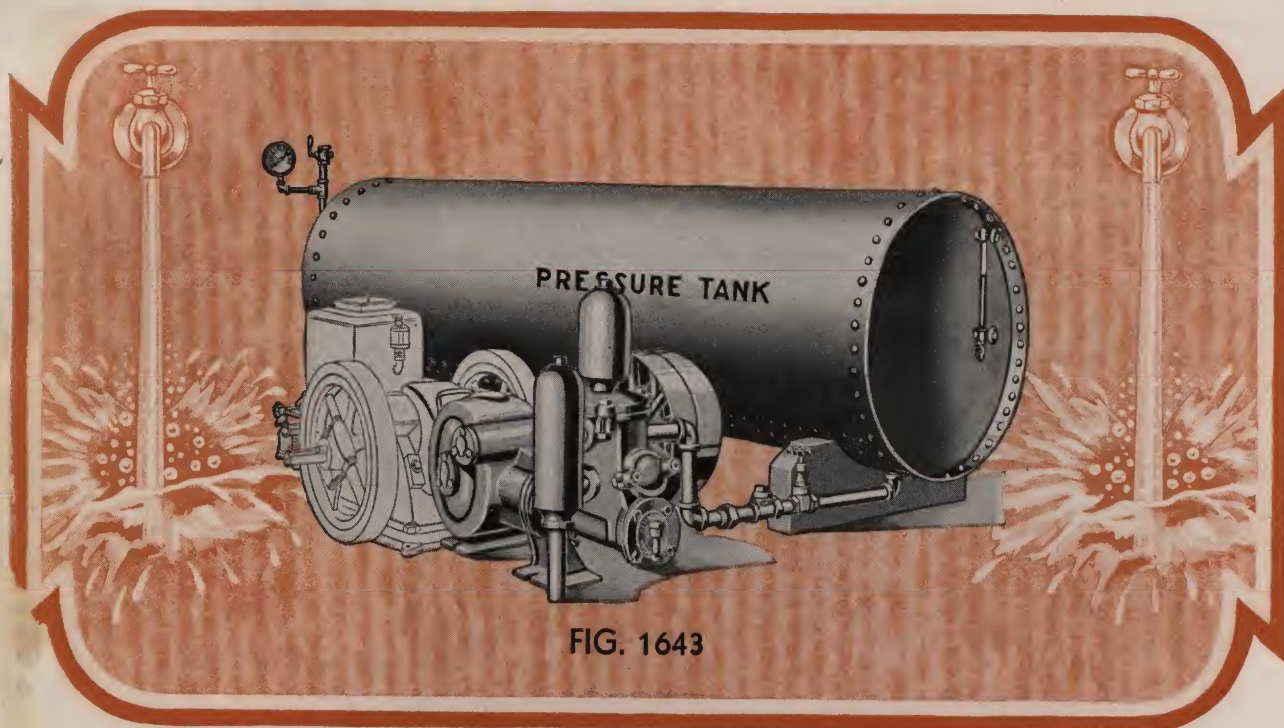


FIG. 1643

## Myers Self-Oiling Power Pumps.

PATENTED.

For Deep or Shallow Service. Are Ideal for Private Water Systems.

Modern country homes and estates with their spacious lawns, fruit, flower and vegetable gardens, their shrubbery and green-houses, well kept walks and drives, require an unfailing supply of water. Water for household purposes, for cleaning, sprinkling, fire protection, stock watering and other uses means thousands instead of hundreds of gallons daily and calls for water systems of larger volume which will furnish almost an unlimited water supply for every need.

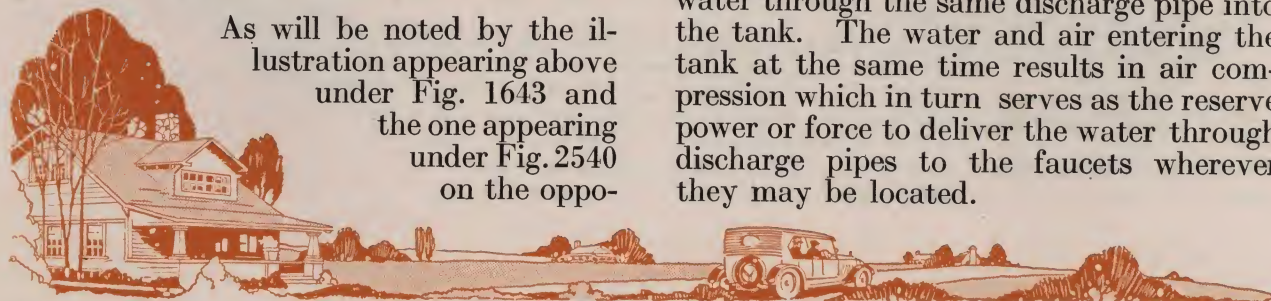
**MYERS SELF-OILING BULLDOZER POWER PUMPS**, when fitted with an air valve or with an air compressor, mounted with a pressure tank and operated either by engine or motor, will supply from 300 to 10,000 gallons of water per hour, this volume being ample for most needs in this particular field.

As will be noted by the illustration appearing above under Fig. 1643 and the one appearing under Fig. 2540 on the oppo-

site page, it is a comparatively simple matter to connect a Myers Self-Oiling Power Pump, either for shallow or deep service, with an ordinary pressure tank, vertical or horizontal, and then operate the system with an ordinary gas engine, or if electric current of sufficient voltage is available, a motor of the correct horse power can be used to best advantage.

The suction pipe can run direct to the well or cistern, spring or other source of supply while the discharge pipe is connected direct to the tank by using a relief valve, union, check valve and cut-off valve between the pump and the tank.

The water is pumped directly into the tank. The air is supplied by the air valve or air compressor and is pumped with the water through the same discharge pipe into the tank. The water and air entering the tank at the same time results in air compression which in turn serves as the reserve power or force to deliver the water through discharge pipes to the faucets wherever they may be located.





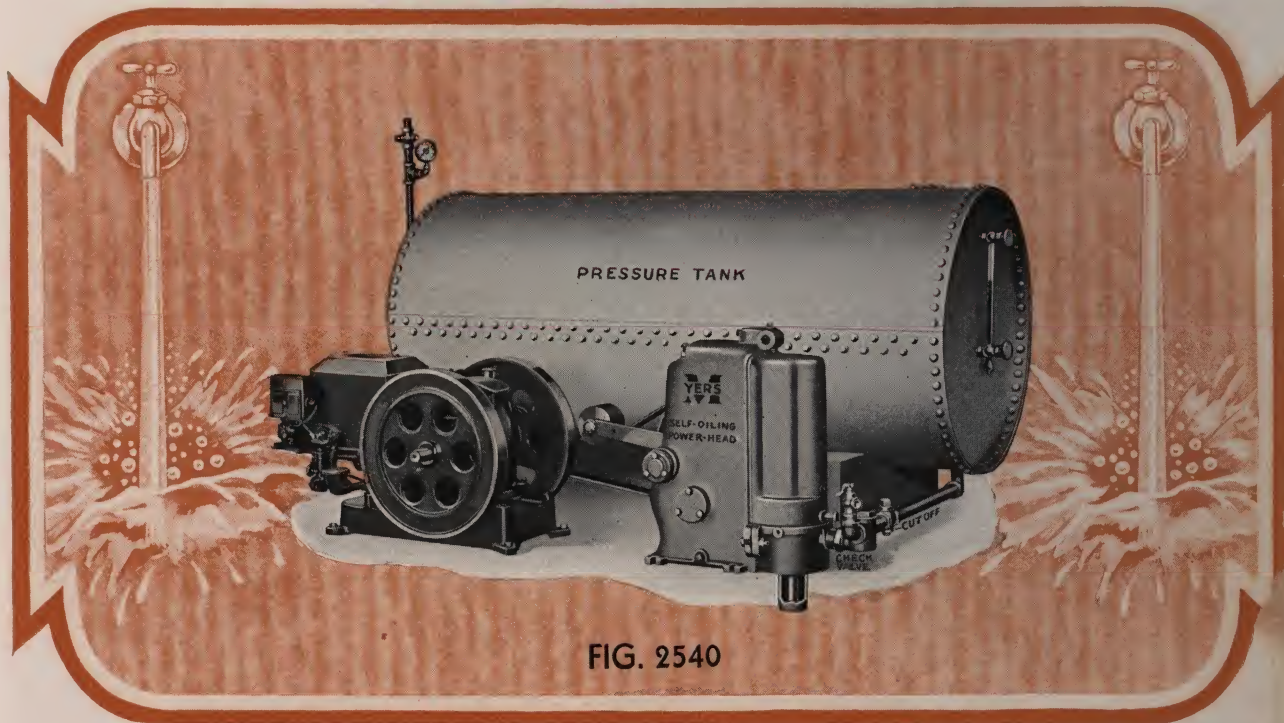


FIG. 2540

## Myers Self-Oiling Power Pumps.

PATENTED.

Capacities up to 9,000 Gallons Per Hour.

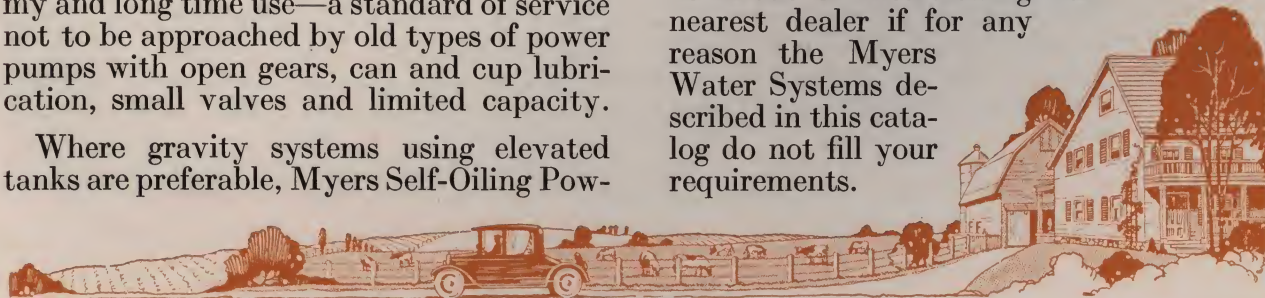
A system of this kind is extremely simple. If properly installed and connected it will be absolutely dependable and the cost of maintenance and operation will be negligible. Many homes and country estates are thus equipped while hotels, summer resorts, centralized schools, colleges, golf courses, public and private institutions find this system equally satisfactory for unfailing service.

Myers Self-Oiling Bulldozer Power Pumps for both shallow and deep well installation come in styles and sizes for every service. They are designed for use with any type of pressure tank while their positive self-lubrication, fully enclosed working parts, extra large valves, improved method of power application and other late features lend themselves to high efficiency, safety, economy and long time use—a standard of service not to be approached by old types of power pumps with open gears, can and cup lubrication, small valves and limited capacity.

Where gravity systems using elevated tanks are preferable, Myers Self-Oiling Pow-

er Pumps are equally successful. Their design and construction throughout adapt them for operation against heavy pressure and at high speed without fear of accidents or breakage, and permit of operation twenty-four hours daily without care or attention.

We do not furnish tanks or engines, but build the pumps complete with or without air valves or air compressors for direct service; for pressure tanks, any size or style; for elevated tanks; for pumping water long distances; for irrigation and drainage; for industrial, commercial or agricultural uses. Up to 10,000 gallons per hour—as low as 300 gallons per hour—for engine or motor—for deep or shallow service—for open or pressure tanks—for elevation or direct discharge are points worth remembering and writing us about or interviewing our nearest dealer if for any reason the Myers Water Systems described in this catalog do not fill your requirements.





## Running Water for Homes and Farms Like Yours.

If your home is among the many thousands of homes located in suburban or country districts, or in small towns or villages, where high line or other electric service has not as yet spread its magic power, and you have been denied the conveniences of running water at the turn of a faucet, you, as well as your neighbors, will welcome the new Myers Self-Oiling Engine Driven Water Systems perfected by our engineering experts to provide every home, farm or other isolated place with an abundant supply of running water at a very moderate cost.

These new engine driven power units are compact, trim and efficient. Designed for use with any style of pressure tank and furnished for either shallow or deep wells and cisterns with capacities up to five hundred gallons of water per hour, they answer the call for running water everywhere—in suburban or farming districts, in small towns and villages, or where hotels, cottages, ranches, camps or service stations are beyond the reach of high line power, they are ideal.

Easy to install and maintain, low in cost to operate, dependable for service, they merit the same high regard which impels thousands of home and farm owners to purchase and install Myers Electric Water Systems. If you are pumping and carrying water by hand, you need a system of this kind. One that will serve you well throughout long years of constant use. One that will be a permanent improvement and provide water at your finger tips for every need in kitchen, bathroom, laundry—for lawn, garden and garage—for fire protection—and for barn and feed lots—it's easy to picture in your own mind just how much hard work, how much time a Myers Self-Oiling Engine Driven Water System will save.

Remember, it makes no difference where you live or where your activities are carried on, you can take advantage of the opportunity these wonderful new water systems now make possible to have running water when and where you want it. And then should high line electric service reach your community later on and you care to do so, the engine can be easily and quickly replaced at small expense with motor for operation by electric current.

Just turn to Pages 27-29 where the different styles are illustrated and described. The information given there tells all about Myers Self-Oiling Engine Driven Water Systems, the styles and sizes in which they are furnished and their special features, method of installation and operation and other valuable data which will enable you to select an outfit that will meet your individual requirements. Consult our nearest dealer whose name we will be very glad to give you for additional information or, if you prefer, write us direct.



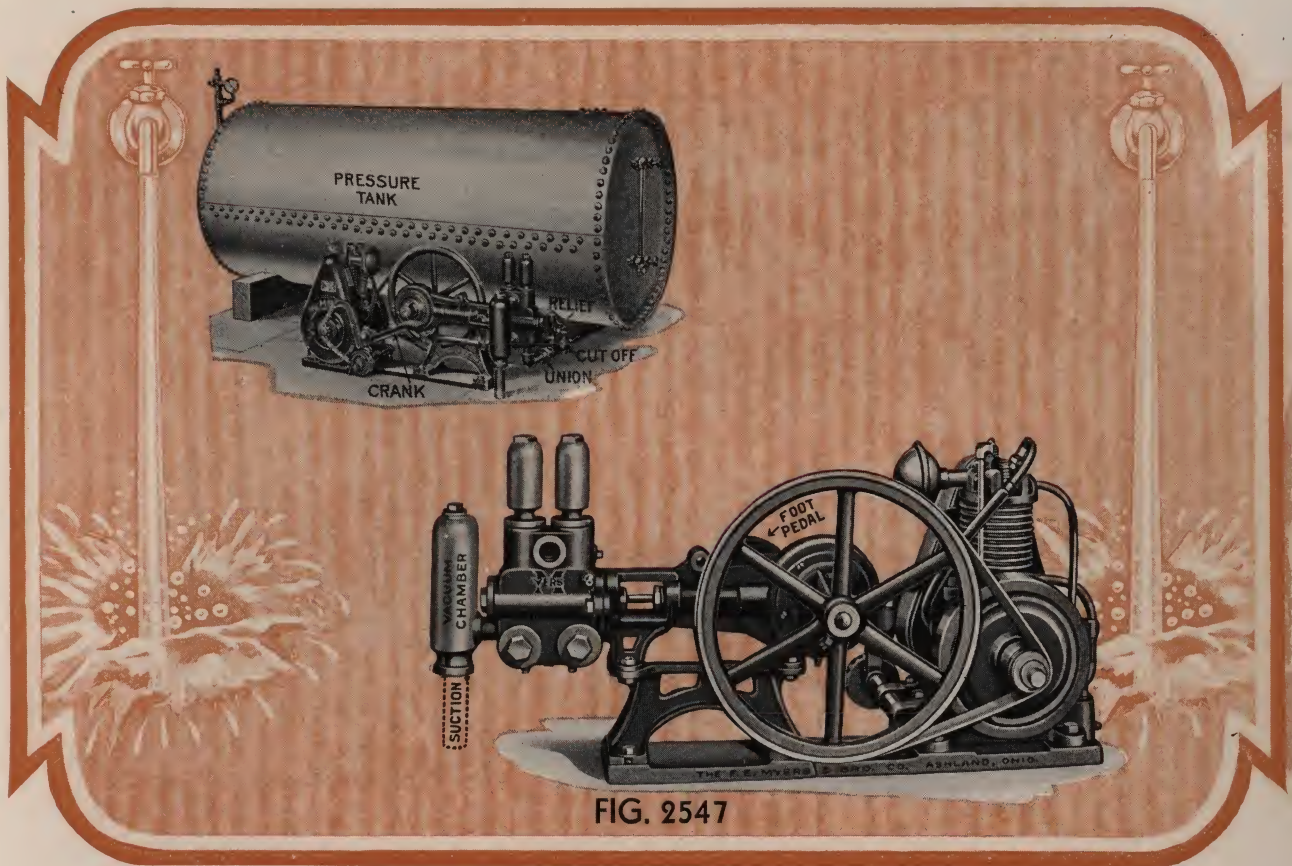


FIG. 2547

## The Myers Junior Self-Oiling Power Pump.

PATENTED.

Gas Engine Driven.

Capacity 300 Gallons per Hour.

For Pneumatic Pressure or Open Tank Service.

The Myers Junior Self-Oiling Power Pump is designed for shallow well service. Gas engine driven with a capacity of 340 gallons per hour, it is an ideal outfit for homes, farms, summer cottages and similar installations where the volume of water required comes within its capacity limits.

The pump has accurately machined parts, perfect and continuous lubrication, large valves and direct waterways while all working parts are fully enclosed and protected from dirt and dust, insuring long life and uniform service. Pulley shaft extends through the pump with two self-cleaning removable bearings, one located on each side of pitman, allowing used oil to pass around end of shaft and bearing, washing out the sediment before returning to the oil pump. Cylinder containing valves is bolted to gear case, no high priced parts for repairs. Individual air chambers over discharge valves cushion water stream and prevent pounding. Suction and discharge are taken from body of pump which is fitted with semi-steel cross head and pitman, brass piston rod, plunger, castings, valve seats and valve post. Cylinder

is seamless drawn brass. Special quick closing self-priming rubber valves, dependable air intake valve and self-priming vacuum chamber are also provided.

The engine is  $\frac{1}{2}$  H.P. full power air cooled with hot spark high tension magneto built-in—high class and specially selected for its adaptability to this particular service. It is easy to start, a foot pedal being furnished for the purpose. Perfectly safe for a woman or child to operate. Fly wheels and other moving parts are protected to guard against accidents. It is mounted on cast iron sub-base, transmitting power to pump by an endless V-Belt.

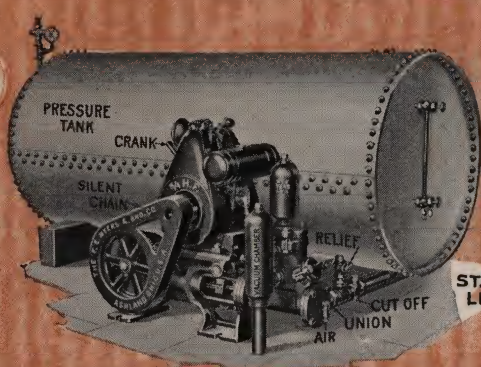
This unit can be used with any style of pressure tank and is just as satisfactory for open tanks or other service. For best results we recommend tanks of not less than 300 gallons capacity as this or larger sized tanks do away with the necessity of frequent starting of engine. The use of a circuit breaker permits of engine being stopped automatically.

FIG. 2547

No. 909AE, Myers Junior Self-Oiling Pump and relief valve with  $\frac{1}{2}$  H.P. Engine mounted on cast iron sub-base, complete as described above. Price \$120.00  
Circuit Breaker to stop engine automatically at any desired pressure, if wanted, add . . . . . 9.00  
315 Gallon Galvanized Tank, F. O. B. Conshohocken, Pa., Chicago or Los Angeles . . . . . 82.00







Myers Self-Oiling Engine Driven Shallow Well Power Pump connected to pressure tank. Ideal for service where water is to be pumped from a shallow well or cistern. Economical too, when it comes to operation and maintenance. Volume up to 500 gallons per hour. Can also be used with open tanks or for direct or distant discharge.

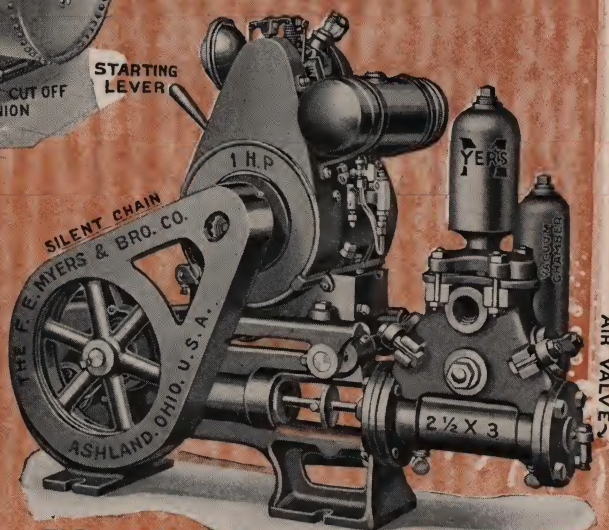


FIG. 2549

## The Myers Self-Oiling Bulldozer Power Pump.

PATENTED.

Complete With Engine. V-Belt or Silent Chain Drive. For Pneumatic Pressure or Open Tank Service.

The Myers Self-Oiling Shallow Well Power Pump illustrated above, with 2½x3 inch cylinder equipped with a 1 H. P. engine and air valve complete, is ready to connect to suction and discharge water lines. Any style of pressure tank can be used satisfactorily with this unit, the recommended size being 300 gallons capacity or over, as this size tank does away with the necessity of starting the engine too frequently.

The pump is self-oiling with all working parts fully enclosed. It has gears and bearings of the most improved type, extra large valves, unrestricted waterways and other outstanding features which make it exceptionally desirable from the standpoint of carefree, long time, economical service. The cylinder which is brass lined is a one piece casting attached to the power end of the pump by heavy bolts. Large rubber valves on bronze grid seats are all located above the cylinder insuring priming while suction and discharge valves are easily accessible for inspection or repairs without disturbing pipe connections. Piston rod has concave faced disc water deflector to guard against carelessness in not

keeping stuffing box properly packed. Pads on top of pump frame permit of motors being substituted for engines should it ever be desirable to make the change.

The engine is 1 H. P. (high class, dependable and selected for its adaptability to this particular service) and is mounted on pump as shown in illustration. It is full power air cooled with hot spark tension magneto built in—always ready and easy to start. Operated by a hand lever starter. A woman or child can do it easily. By using a circuit breaker, engine and pump stop automatically. Drive is V-Belt or silent chain. Fly wheels are fully enclosed—no moving parts exposed—entire safety—freedom from accidents.

Myers Self-Oiling Engine Driven Power Pumps are furnished with or without Air Valve for either pressure or open tank service, or for any other use within their depth and capacity range which is 500 gallons per hour.

FIG. 2549, For Pressure Tank Service.

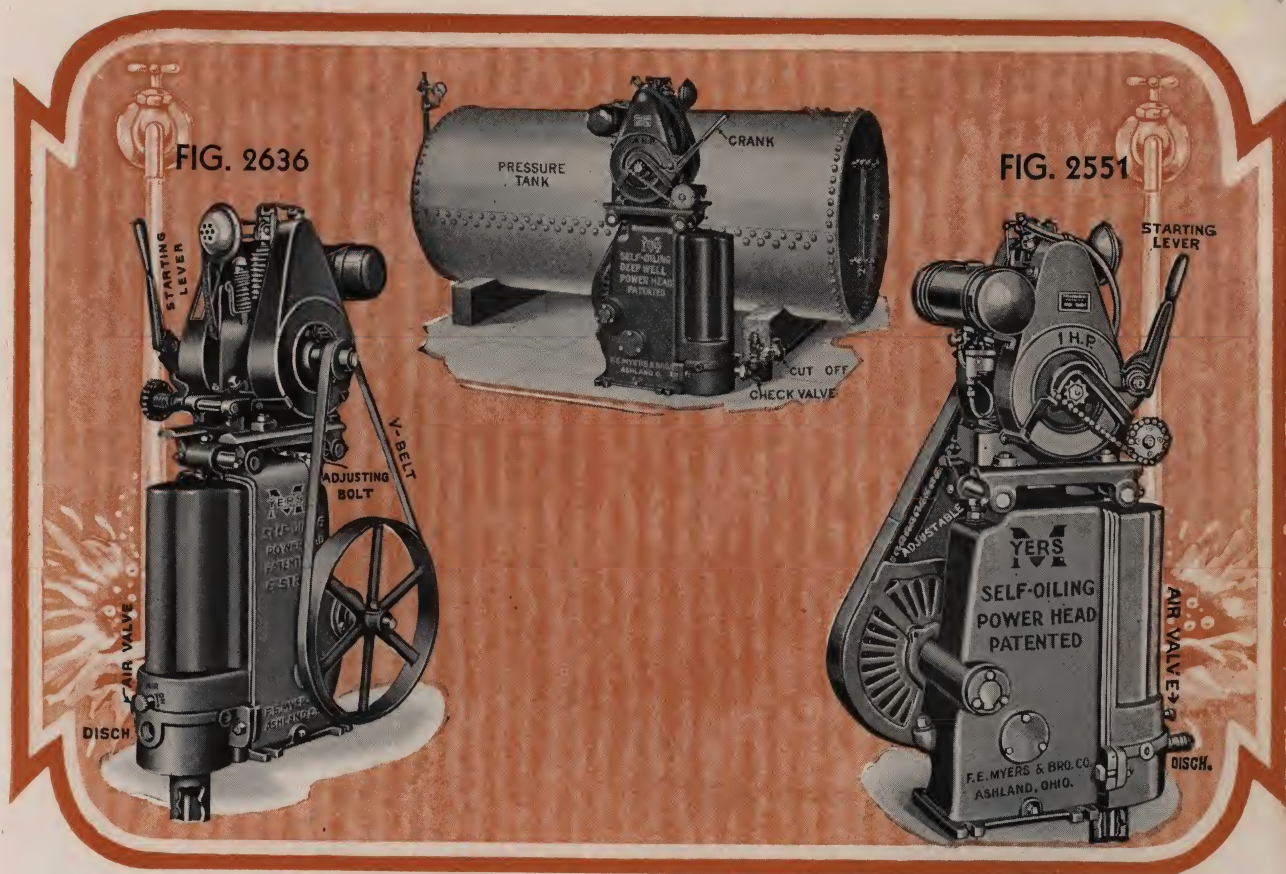
Pump No.	Cylinder Brass Lined		Capacity		Tank Pressure	Gas Engine H.P.	Suc. and Dis.	Code	Price
	Diam.	Stroke	Plgr. Speed R.P.M.	Max. Gals. Per Min. At Pump					
C912AE	2½	3	70	9	50	1	1¼		\$156.00
V912AE	2½	3	70	9	50	1	1¼		141.00
C931AE	1¾	3	70	4½	100	1	1x¾		156.00
V931AE	1¾	3	70	4½	100	1	1x¾		141.00

Any of above Outfits without Air Intake Valve, deduct..... 2.00  
 Circuit Breaker to Stop Engine automatically, if wanted, add to above list 9.00  
 315 Gal. Galv. Tank F. O. B. Conshohocken, Pa., Chicago or Los Angeles 82.00

NOTE: V912AE and V931AE do not have Guard over Belt.







## The Myers Self-Oiling Deep Well Power Pump.

PATENTED.

With V-Belt or Silent Chain Drive.  
6 Inch Stroke.

Complete With Gas Engine.  
For Pressure or Open Tank Work.

In localities where the water source is beyond the depth of ordinary suction pumps, deep well pumps must be used. Here then is the ideal place for the new Myers engine equipped deep well units. Any style of pressure tank can be used with them, the recommended size being 300 gallons capacity or larger as this size does away with the necessity of frequent starting of engine.

The pump furnished with this unit is designed for use where a moderate amount of water is required. It is the regular Myers Self-Oiling Deep Well Power Pump with six inch stroke and is built with or without air compressor for pressure tank, open tank or other service. Suction is tapped for 2½ inch and bushed for 1¼ inch. Discharge is 1¼ inch. All moving parts are fully enclosed and the lubrication is positive and continuous. The main frame of the pump serves as the oil reservoir from which the oil is carried to all working parts. The air compressor is 1 inch.

The upper cylinder expansion plunger is 1¼ inch. Bearings and gears are of the most improved type while all working parts are carefully machined and assembled to insure perfect and carefree operation.

The engine, 1 H. P., is of the same style as used with Fig. 2549. It is mounted on head of pump, the mounting rails being designed to permit of motors being substituted if electric power becomes available later on. By operating a hand lever the engine can be started easily. A woman or child can do it with perfect safety. Fly wheels and other moving parts are fully enclosed and protected. No accidents. By using a circuit breaker, engine can be automatically stopped.

Myers Self-Oiling Deep Well Engine Driven Power Pumps are equipped for either silent chain or V-belt drive and are furnished with or without air cylinder for pressure tank, open tank or other service.

FIGS. 2551 and 2636.

For Pressure Tank Service.

No. V2950AE,	V-Belt Drive, 1 H.P. Engine, Price.....	\$144.00
No. V2950AES,	With 4 ft. Anti-Freezing Set Length, Price.....	148.00
No. C2950AE,	Chain Drive, 1 H.P. Engine, Price.....	160.00
No. C2950AES,	With 4 ft. Anti-Freezing Set Length, Price.....	164.00
	Any of above pumps fitted for 3" Suction, Add to Price .....	5.00
	Extra Belt, Each Section.....	2.00
	315 Gallon Galvanized Tank, F. O. B. Conshohocken, Chicago or Los Angeles, Price.....	82.00
	Circuit Breaker to stop engine automatically, add.....	9.00

For Open Tank or Other Service.

No. V2950E,	Same as No. V2950AE without Air Cylinder, Price .....	139.00
No. V2950ES,	With 4 ft. Anti-Freezing Set Length, Price.....	143.00
No. C2950E,	Same as No. C2950AE without Air Cylinder, Price.....	155.00
No. C2950ES,	With 4 ft. Anti-Freezing Set Length, Price.....	159.00





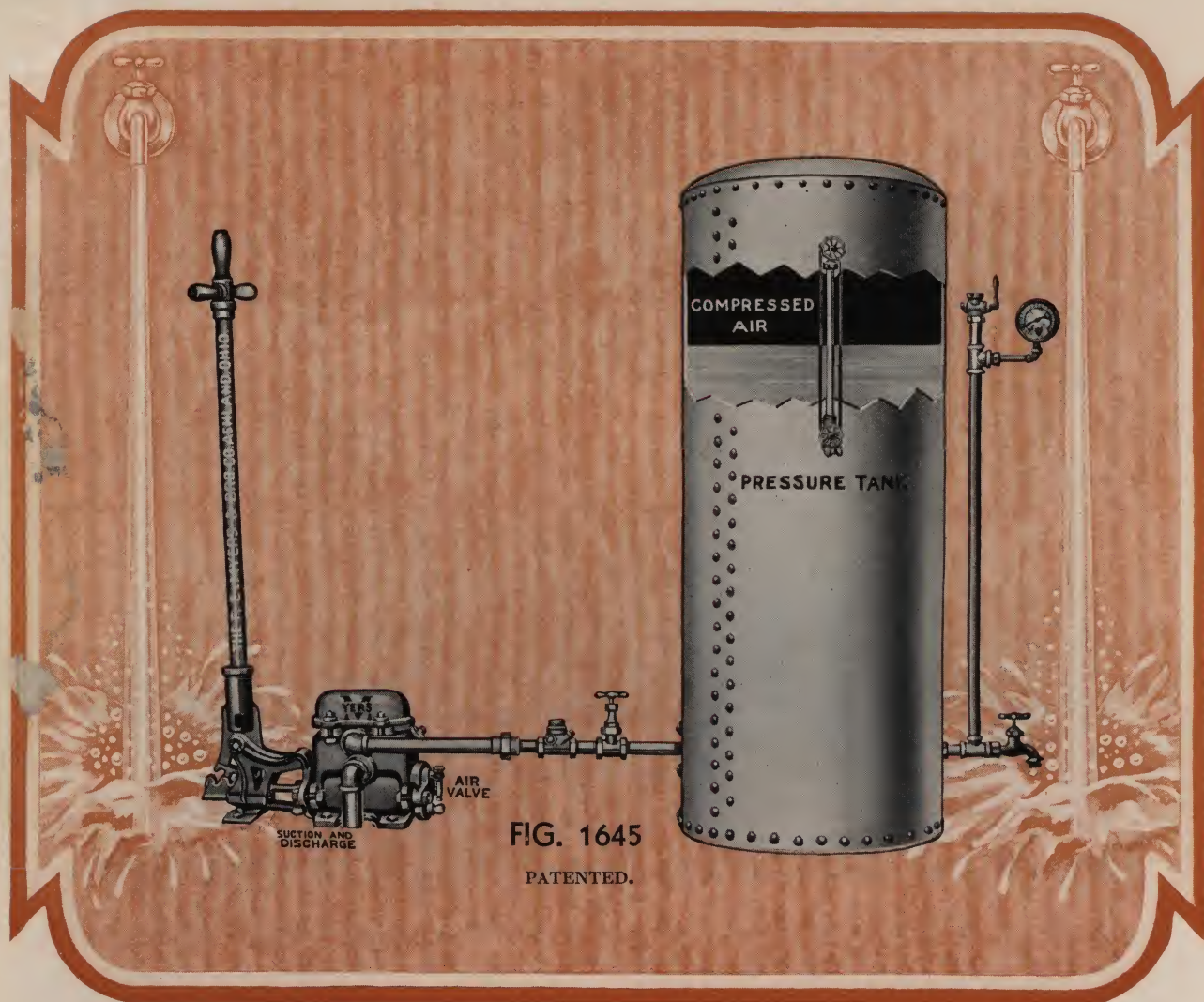


FIG. 1645

PATENTED.

## Myers New Model Cog Gear Force Pumps.

A Hand Pump for Pressure or Gravity Systems.

For those who do not have a private power and lighting system in their home or cottage, or where electrical current or other power is not available, this Myers New Model Cog Gear Force Pump with a pressure tank will provide an abundance of water for all household and sanitary requirements. It is strictly a shallow well or cistern pump, and being equipped with the patented Myers Rolling Motion Cog Gear Head it operates one-third easier than an ordinary pump. As will be noted by the illustration, it is a very simple matter to attach this pump to a pressure tank, either vertical or horizontal, make the suction and discharge connections, and have a water system that is not only reliable but one that costs nothing whatever to maintain.

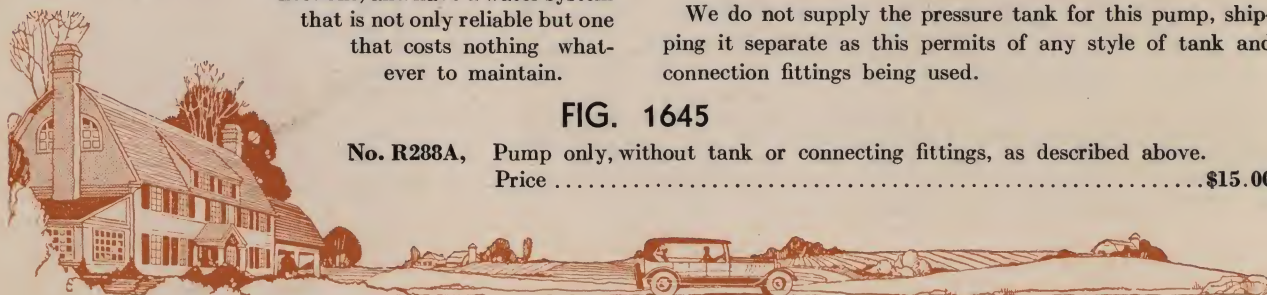
As in the other styles of Myers Pumps for water system service, this New Model Pump forces the air and water into the pressure tank through a single discharge pipe. The air valve is attached directly to the cylinder head and can be adjusted by means of thumb nut. This pump is strong and compact being designed for hard service. It has brass valve seats, rubber faced valves, brass piston rod and brass lined cylinder. It is double acting and has unrestricted water ways, while the suction and discharge are  $1\frac{1}{4}$  inch and can be taken from either side, which further simplifies installation.

We do not supply the pressure tank for this pump, shipping it separate as this permits of any style of tank and connection fittings being used.

FIG. 1645

No. R288A, Pump only, without tank or connecting fittings, as described above.

Price .....\$15.00





# Water Systems for Every Water Requirement.

**T**HE placing of your water system is important. So important, indeed, that each and every installation is a new problem, the solution of which depends on the amount of water required—power to be used for operation—suction depth—elevation to which the water is to be pumped—exposure and protection of system after being installed. These are some of the conditions to be considered when you start to think and talk about a water system for your home, farm, country estate or for any other service.

In the accompanying illustrations we picture several styles of Myers Water Systems described on preceding pages as installed in the basement, while one of the illustrations shows a Myers Deep Well Water System with an Anti-Freezing Set Length installed directly over the well and protected by a small shed, the tank or air chamber being located in the basement entirely out of the frost zone.



Fig. 2618. Self-Oiling Deep Well Power Pump with Anti-Freezing Set Length installed in shed directly over well outside of building. Tank is in basement fully protected from weather extremes.

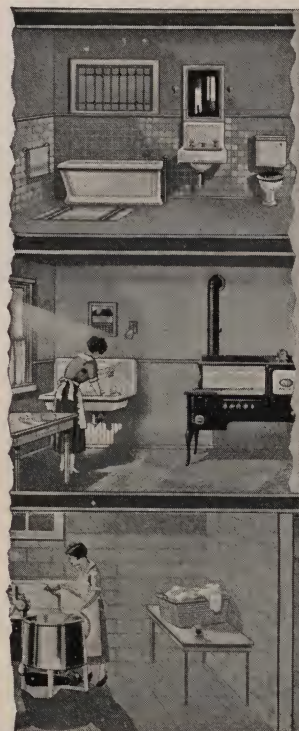


Fig. 2617. Electric House Pump in Basement protected from weather conditions.

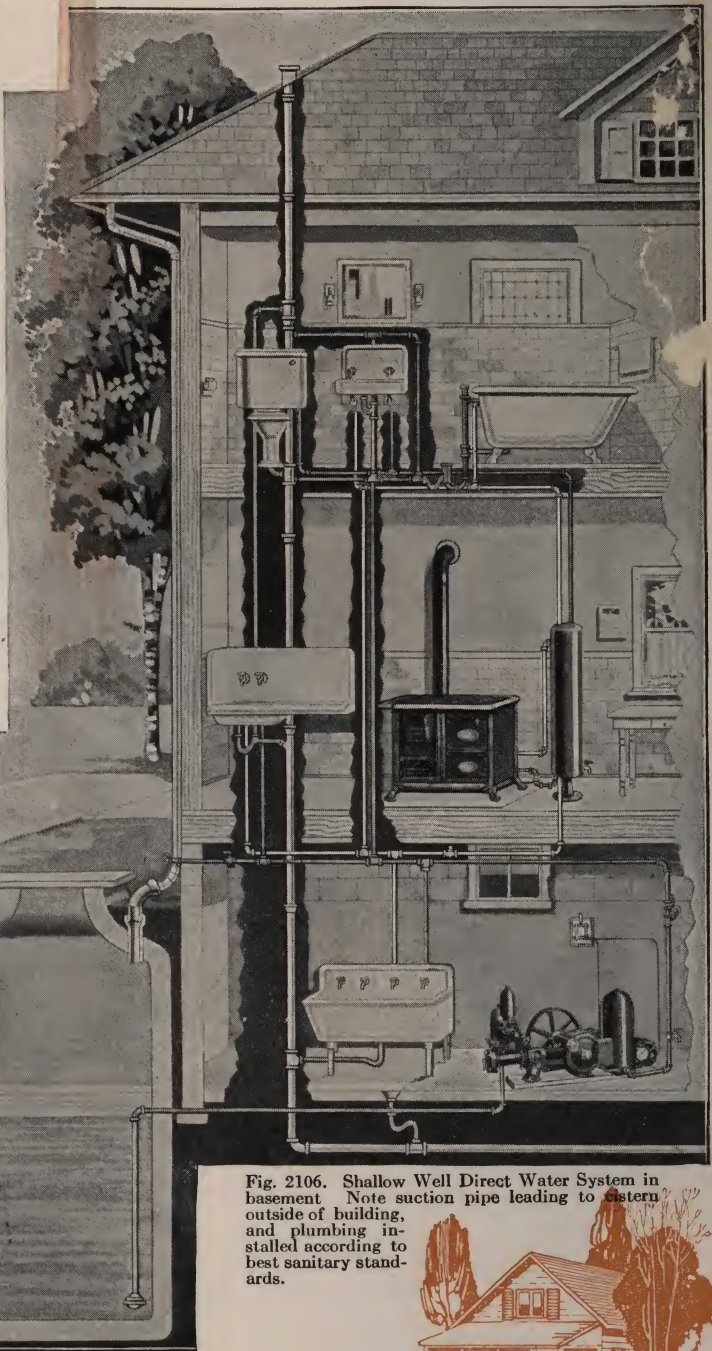
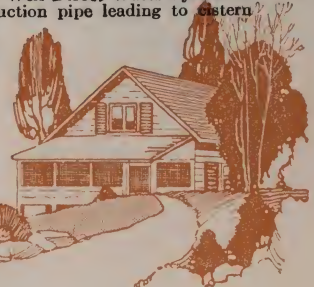


Fig. 2106. Shallow Well Direct Water System in basement. Note suction pipe leading to cistern outside of building, and plumbing installed according to best sanitary standards.





# Directions for Installing, Piping and Operating Myers Power Pumps.

## INSTALLATION.

**PUMP**—Set pump where suction line can be run most directly to water supply. Use 45° elbows wherever possible. The practical limit of vertical suction lift with a horizontal cylinder is 24' at sea level. For each 1200' of altitude deduct 1' from practical suction lift. For example, if altitude is 2400' the practical limit of suction lift would be about 22'. Water may be drawn horizontally several hundred feet. However, on a suction line longer than 50' it is advisable to deduct 1' from the lift for each 25' beyond 50'. For example, on a 200' horizontal suction line 6' should be deducted from the vertical lift, making the vertical suction lift not to exceed 18'. **The Pump Should Be Set Level** so that the oil will not run out on to the pulley and get on the belt. **The Pump should Be Filled With Oil** to a point about level with bottom of oil return channel (See cross section illustration of inside of pump.) Drain oil and renew after first ten hours of actual pumping so as to flush out any possible cuttings left from machining. Use a good grade of medium automobile oil. Inspect the oil level every few months. If the oil becomes thin drain out and renew.

**SUCTION LINE**—Connect suction line to bottom of priming and vacuum chamber, **Using Pipe of the Size For Which Vacuum Chamber Is Tapped.** On long suction lines use next size larger pipe to eliminate friction. **Avoid High Points In Suction.**

**Line. Run The Line With Gradual Slope Toward Water Supply.** This also permits easy drainage of suction line. **The Line Should Be Laid Below Frost Level. All Joints Should Be Sealed With White Lead And Pulled Up Tight With Wrenches.** Use **Foot Valve On The End Of Suction Line If Possible.** This assists the pump in holding its priming.

**DISCHARGE LINE**—The discharge line should be the same size as outlet from pump for best results. The use of smaller pipe than that for which the pump is tapped builds up a friction load which wastes power. The saving in cost of power will very quickly pay for the slightly higher cost for the right size pipe. Place a Gate Valve in discharge line so that the water may be shut off if it is necessary to work on the pump.

## OPERATION

To start the pump remove plug from the top of priming and vacuum chamber. If a foot valve has been used, fill the suction line completely with water. If no foot valve has been used pour in only two or three quarts of water to fill the valve chamber, then replace plug, **Turning It Tight,** and start the pump. Water should flow almost immediately if there is a foot valve on the end of suction line, or within a few minutes if no foot valve was used. If the pump does not deliver water prime again and if it still fails to function check the installation thoroughly, making sure that everything is perfectly tight, that the end of the suction pipe is under water and that the lift does not exceed the recommended distance. **If there is Danger Of Freezing, Drain The Pump Thoroughly By Removing the Drain Plugs From Cylinder Body, Running The Pump For A Few Minutes To Dislodge The Water From Around The Valves.**

**LUBRICATION**—On Self-Oiling Pumps fill the Oil Case with high grade Light or Medium Gas Engine Oil every two to three months, depending on amount of pumping done. Dirty or worn out oil can be drained off by removing plug in bottom of Gear Case. On other Pumps, keep all bearings well oiled. Metal gearing should also be oiled to prevent possible cutting, **Except When Rawhide Pinions Are Furnished.** Use No Oil on Rawhide Pinions; use Only Flaked Graphite.

**RELIEF VALVE**—Always use a relief valve on the discharge line **Near The Pump** to protect the pump from damage in case the discharge line is shut off or blocked for any reason.

## SERVICE SUGGESTIONS.

**Where Water Level is Higher than the Pump** place a gate valve in the suction line so water may be shut off if necessary to work on the pump. It may also be necessary to partially close this valve to make air valve function and to prevent water hammer. An extra vacuum chamber made of a piece of pipe is also an advantage.

**Before Installing a New Pump on an Old Suction Line** make sure the line is not corroded shut or full of holes.

**Pipe the Relief Valve** to a drain to take care of water if it should open.

**Discharge Valves** are located under the air chambers on top of pump, **Suction Valves** under individual caps. To renew any valve unscrew valve stem with wrench.

**To Renew Plunger Leathers,** remove cylinder head and, after running plunger as far forward as it will go by turning pump by hand, remove nuts from end of piston rod. (Socket wrench is provided for piston rod nuts.) Screw cap screws which hold cylinder head into tappings in plunger plate and pull plunger assembly out. Put in new leathers in same order in which you found old ones, replace piston rod nuts, and cylinder head. Turn all nuts tight.

**A Drive Well Point** may have provided enough water supply for a hand pump over a long period but may not supply enough for the increased demand on it by a power pump. The screen may have become clogged, or the vein may not supply the water fast enough for a power pump.

**If Tank Becomes Waterlogged,** on a pressure tank installation, air is not being supplied by air valve on pump or air is escaping from tank through openings in upper part of tank. If the latter, charge the tank with air and test around various openings above water line with oil or soap suds.

**If Pump Fails to Deliver Full Capacity** after a long period of service renew plunger leathers and rubber valves and make sure that suction line is clear and has not developed any air leaks.

**If Pump Runs But No Water Comes**—Have you primed the pump? Are the suction line, priming plug, drain plugs, valve caps, cylinder heads and packing nut air tight? Is end of suction pipe below water level? Is the vertical suction lift more than 24'? Is the end of suction pipe resting on bottom of well? Has the pump, suction pipe or strainer become clogged with sediment?

**If the Pump Knocks**—The valves may be sticking—The suction may be clogged—The water may be flowing from the well into the pump causing "water hammer." If the latter, increase size of Vacuum Chamber.

**Use A Strainer of Liberal Size** on end of suction line if foreign substances are apt to be drawn into suction line.

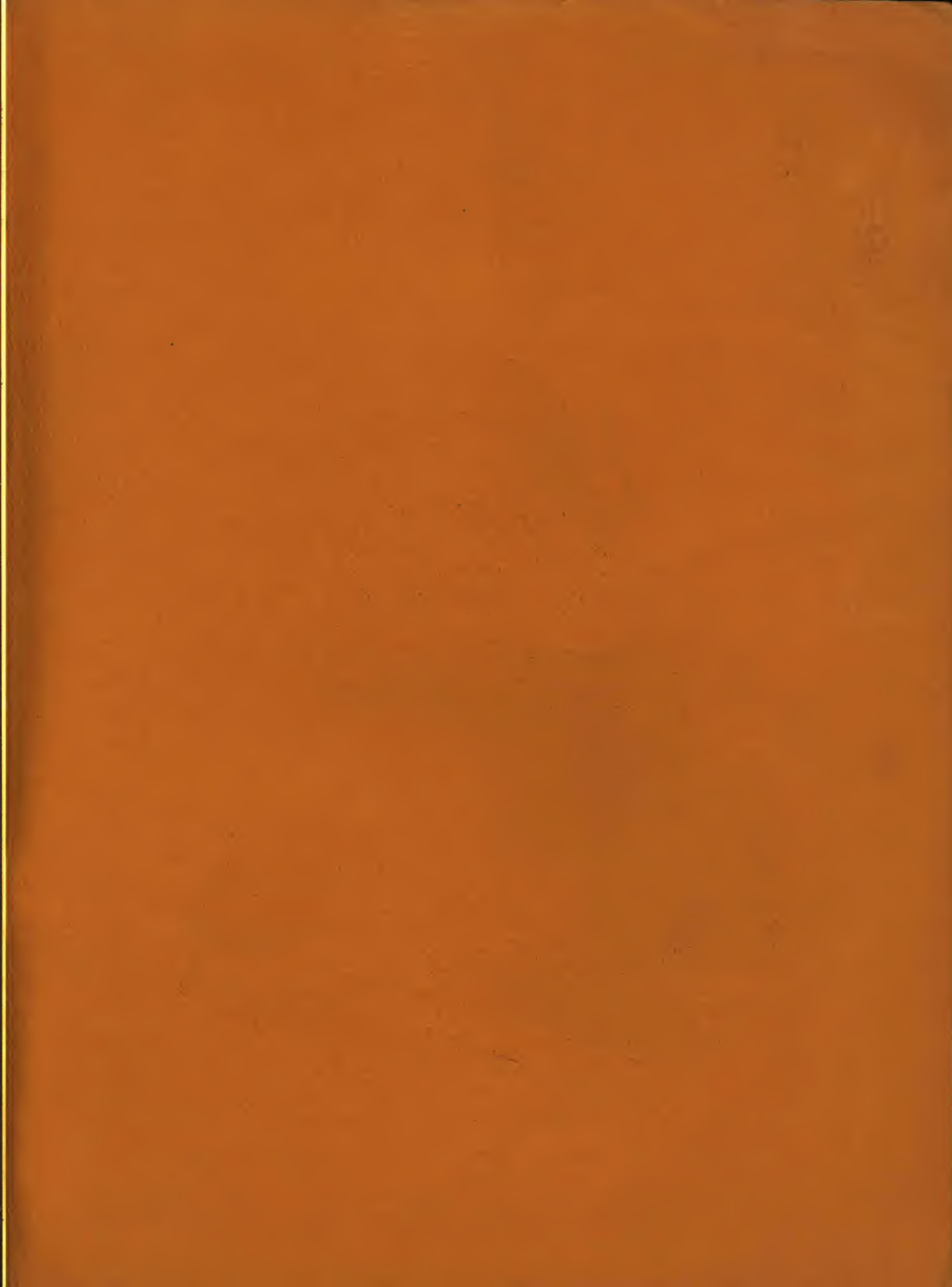
**Packing Nuts** should only be kept tight enough to prevent leakage. If turned down too tightly an overload is thrown upon the motor wasting power, and perhaps burning out the motor.

**Packing Should Not Be Crowded** into the packing gland. Fit it in snugly without using force. Renew before it becomes hard and scores the piston rod.

**Freezing**—If Pump is located where there is danger of freezing when idle, it should be entirely drained. Drain plugs or cocks are provided for this purpose. After opening drain plugs, run the Pump for a few minutes. With reasonable care a Myers Pump should last for years.











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